

The Magazine of Standards  
In Two Parts—Part 2

**price list and index**

# **AMERICAN STANDARDS**

**ISO and IEC  
recommendations  
listed in this issue**

**1958**

### **Message from ASA's President to Users of American Standards**

**T**HE 1958 PRICE LIST AND INDEX of American Standards is the largest ever published. It is a showcase for the 1700 American Standards which represent months and sometimes years of patient, earnest effort of thousands of experts. These experts come from industry, commerce, government, science, engineering, research, labor and consumer groups and serve on committees of, or through the activities of, ASA member bodies and associate members and many other trade and technical organizations, government agencies, and consumer groups, as well as national committees organized under ASA procedures. In addition, the publication reflects a highly developed form of statesmanship which functions continuously through the standardization movement.

ASA, in its capacity as the national clearinghouse for standards, has designated the standards listed "American Standard" to give proof to all who may desire to use them that they are truly national in scope, that the views of those concerned have been coordinated, and that they are backed by a national consensus. They therefore have preferred status and should receive first call for use by those interested in any of the subjects covered in the list.

Standardization is a dynamic economic force for the maximum utilization of time, materials, and labor. Voluntary national standards approved by the ASA and designated as American Standard perform this vital economic function at the national level. Further, the health and welfare of millions of Americans are protected daily at work, at home, and at play by 170 American Safety Standards.

*H. Thomas Hallowell, Jr*  
*President*

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AMERICAN STANDARDS ASSOCIATION

INCORPORATED

70 East Forty-fifth Street, New York 17, N. Y.

# American Standards Association

## • What It Is

The American Standards Association, Incorporated, is the American clearinghouse for integrating and coordinating standards activity on the national level. Founded in 1918, it is a federation of 118 trade associations, technical societies, professional groups, and consumer organizations. Some 2200 companies are affiliated with the ASA as company members.

The ASA also represents American business as the U. S. member of the 40-nation International Organization for Standardization (ISO). See facing page for more information on ASA's international activities.

## • Why It's Vital to the Nation

ASA renders two basic services: (1) Through its approval procedures it provides a large body of American Standards, created through many national organizations by experts of the highest technical competence in their fields. These standards are constantly being revised to keep them abreast of new developments; (2) ASA provides the machinery which enables all groups concerned to come together under neutral auspices to resolve new standardization problems through mutual agreement. Thus American Standards serve as a common language among all who buy, sell, make, and use.

## • Who Uses American Standards

These standards are used widely by scientific, engineering, and professional organizations, by industry and commerce, and often by municipal, state, and federal governments:

—Manufacturers use them to facilitate production operations or lower production costs . . . to eliminate controversies between buyer and seller . . . to raise the level of their industry by eliminating misrepresentation . . . to plan sound safety programs . . . or simply draw upon American Standards in the interest of conserving vital scientific and engineering talent.

—Consumer groups use them as a yardstick to measure the merit of the things they buy.

—Government agencies use them in their capacity as buyers or as protectors of the public interest.

—Educational institutions use them in their engineering and business school libraries as teaching aids and for reference purposes.

## • How American Standards Are Developed

The ASA provides the machinery for creating voluntary national standards. It serves to eliminate duplication of standards activities and to weld conflicting standards into single, nationally accepted standards under the designation "American Standard."

Each of the 1700 standards approved to date by the ASA and listed in this booklet represents general agreement among maker, seller, and user groups as to the best current practice with regard to some specific problem. Thus, the completed standards cut across the whole fabric of production, distribution, and consumption of goods and services. Manufacturers, consumers, technical organizations, labor, and governmental agencies — all substantially interested and affected groups — are represented on the committees which develop and regularly revise American Standards.



# American Standards Association

## • ASA's Magazine

*The Magazine of Standards* keeps those interested in touch with standards activities. This monthly publication presents up-to-date news of world-wide standards activities and articles on the practical application of standards in industry. Subscription rates are as follows:

ASA members in excess of membership allowance .....	\$5.00 per year
Nonmembers .....	\$7.00 per year
Schools and libraries .....	\$5.00 per year
Add \$1.00 for all subscriptions outside the USA	

A special 14-rod binder stamped in gold "*The Magazine of Standards, Volume 29, 1958*" makes it possible to keep a year's issues together for easy reference. Stiff covers are in black imitation leather. Volume lies flat when opened. Price \$2.50 per binder.

## • ASA in the International Field

*The ISO:* The American Standards Association is the U.S. Member Body of the International Organization for Standardization (ISO). The ISO has 41 national standards bodies as its world members. The technical program conducted by the ISO offers either participation or observer status to each of its members in accordance with a nation's interest in any given project field.

It is the policy of the ASA when it is a participating member of an ISO technical committee to have the ASA sectional committee in the field handle all matters pertaining to the international work. Lacking a sectional committee, an advisory group may be formed. ASA's membership in the ISO provides for the representation of U.S. interests in this relatively new and growing organization which was founded in 1946. The younger nations of the world, as well as those which are well established with highly organized industrial economies, use the ISO machinery for the development of international recommendations beneficial to world trade.

*The PASC:* The ASA is a member of the Pan American Standards Committee recently created to foster inter-American standardization.

*The IEC:* The ASA is also a member of the International Electrotechnical Commission (IEC) which has been in existence since 1904. The U.S. National Committee of the IEC has administrative and technical affiliation with the American Standards Association. Since 1947 the IEC has been affiliated with the ISO as a technical division. The object of the IEC is to facilitate the coordination and unification of national electrotechnical standards and to coordinate the activities of other international organizations in this field.

The 1958 edition of the Price List and Index of American Standards contains, for the first time, a listing of ISO and IEC recommendations available from the American Standards Association.

# How to Purchase American Standards

(Orders phoned in or sent to us without a remittance are subject to a handling charge of fifty cents.)

**ADDRESS:** Send your purchase order to:

Sales Department  
American Standards Association  
70 East 45th Street  
New York 17, N. Y.

Telephone: MUrray Hill 3-3058

**ORDER:** Each item should be designated by its full symbol as listed in the Price List.

**TERMS:** Net 30 days.

**SHIPPING CHARGES:** The price shown to the right of each item includes cost of fourth class postage or shipment via Railway Express on bulk orders. If you wish to have your order sent airmail, special delivery, or first class, you will be billed for the additional amount. Postage will be charged on all foreign orders.

**SALES TAX:** If your order is subject to the New York City Sales Tax, please be sure to include the required 3% in your remittance in order to avoid delay in receiving your standards.

**QUANTITY PRICES:** When any single title of the American Standards published by ASA (identified †) is purchased in quantities of ten or more the following reductions apply:

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10 to 49 copies .....	15 percent
50 to 99 copies .....	20 percent
100 to 499 copies .....	25 percent
500 copies and over .....	33 1/3 percent

Standards not marked † are sold at prices shown and the quantity prices above do not apply.

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<b>COMPLETE SET:</b> Complete set of all American Standards .....	\$700.00
Binders to house a complete set .....	75.00
	<hr/>
	\$775.00

# How to Purchase American Standards

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Petroleum Products (pp 53-55) .....	28.00
Photography and Motion Pictures (pp 47-52) .....	65.00
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The complete set and special series are shipped unassembled and include all standards that are available at the time the order is processed. Standards out of print or under revision are automatically omitted, but all new and revised standards pertaining to your order are automatically included as part of the current complete set or special series at no extra charge.

**BINDERS FOR AMERICAN STANDARDS:** Twenty-six rod binders, two ring binders, and one binder each for C50, C57, and PH22 standards are required to house a complete set of American Standards (nine linear feet of shelf space). Instructions for assembling sets are furnished ..... \$75.00

- (1) Rod binder provided with 30 flexible looped rods which fit over top and bottom hinged posts for easy insertion of standards. Title "American Standards" imprinted on backbone; 3 inch capacity to hold standards up to 8½ x 11 inches ..... 3.00
- (2) Three-ring binder with metal back-plate, opening boosters and stiff cover. Title "American Standards" imprinted on front cover and backbone; 1 inch capacity for standards up to 8½ x 11 inches ..... 2.00
- (3) Three-ring leatherette loose-leaf binder for C50 standards; stamped in gold and provided with index tabs; 1 inch capacity ..... 2.00
- (4) Three-ring leatherette loose-leaf binder for C57 standards; stamped in gold and provided with index tabs; 1½ inch capacity ..... 2.75
- (5) Three-ring binder, specially constructed for PH22 series stamped in gold on front cover "American Standards and Recommended Practices of the Society of Motion Picture and Television Engineers"; 1½ inch capacity ..... 5.00

## KEEPING YOUR COMPLETE SET OR SPECIAL SERIES OF AMERICAN STANDARDS UP TO DATE:

To insure that your standards are always current, complete the standing order form on page 7, specifying the series in which you are interested and return the completed blank to us.

**CHANGE IN PRICES:** All prices are subject to change without notice.

# Sales Agents for American Standards in Other Countries

**ALBANIA:** Bureau de Standardisation Aupres de La Commission Du Plan d'Etat de La Republique Populaire D'Albania, Tirana

**ARGENTINA:** Instituto Argentino de Racionalizacion de Materiales, Chile 1192, Buenos Aires

**AUSTRALIA:** Standards Association of Australia, Science House, Gloucester and Essex Streets, Sydney

**AUSTRIA:** Oesterreichischer Normenausschuss, Bauernmarkt 13, 5 Stock, Vienna 1

**BELGIUM:** Institute Belge de Normalisation, Avenue de la Brabanconne, 29, Brussels 4

**BRAZIL:** Associacao Brasileira de Normas Tecnicas, Caixa Postal 1680, Rio de Janeiro

**BULGARIA:** Comite Superieur de Normalisation, 21 Blvd Patr Evtimi, Sofia

**BURMA:** Union of Burma Applied Research Institute, Junction of Kaba Aye Pagoda-Kande Roads, Rangoon

**CANADA:** Canadian Standards Association, 235 Montreal Road, Ottawa

**CHILE:** Instituto Nacional de Investigaciones Technologicas y Normalizacion, Alameda Bernardo O'Higgins 1315 Piso 2º, Santiago

**CHINA:** National Bureau of Standards, No. 1 First Street Chen Kung Road 4, Tainan Taiwan

**COLOMBIA:** Inconor-Instituto Colombiana de Normas, Carrera 7 No. 18-95 Apartado Nacional N340, Bogota

**CUBA:** Board of Standards, Monte y Factoria, Habana

**CZECHOSLOVAKIA:** Urad pro Vynalezky A Normalisaci, Vavelske nam Esti C 19, Praha 3, Nove Mesto

**DENMARK:** Dansk Standardiseringsraad, Vesterbrogade 1, Copenhagen V, Denmark

**EGYPT:** Egyptian Organization for Standardization, 144 Tahrir St Dokky, Cairo

**ENGLAND:** British Standards Institution, 2 Park Street, London W. 1

**FINLAND:** Suomen Standardisoimisliitto r. y. Kasarmikatu 44, A. 130, Helsinki

**FRANCE:** Association Française de Normalisation, 23 Rue Notre Dame des Victoires Paris 2e

**GERMANY:** Deutscher Normenausschuss, Uhlandstrasse 175, Berlin W 15  
Deutscher Normenausschuss, Friesenplatz 16 (22c) Koln 1

**GREECE:** Comite Hellenique de Normalisation, Rue Kolokotroni 4, Athens

**HUNGARY:** Office Hongrois de Normalisation de Hongie, Ulloi-ut 25, Budapest IX

**ICELAND:** Institution of Icelandic Industries, Technical College Building, P. O. Box 675, Reykjavik

**INDIA:** Indian Standards Institution, 19, University Road, Civil Lines, Delhi 2

**INDONESIA:** Kepala Kantor Normalisasi, 38 Djalan Braga, Bandung

**IRELAND:** Institute for Industrial Research and Standards, Glasnevin House, Ballymun Road, Dublin

**ISRAEL:** Standards Institution of Israel, 200 Dizengoff Road, Tel Aviv

**ITALY:** Ente Italiano di Unificazione, Piazza Armando Diaz 2, Milan

**JAPAN:** Japanese Standards Association Agency, Ind Science and Tech Building, 7-5 Ginza-Higashi Chuo-Ku 4, Tokyo

**MEXICO:** Secretario de Economia, Filomeno Mata 10, Mexico, D. F.

**NETHERLANDS:** Hoofddirectie Voor de Normalisatie in Nederland, Duinweg 20/22, P. O. Box 70, 'S-Gravenhage

**NEW ZEALAND:** New Zealand Standards Inst, Department of Industries and Commerce, P. O. Box 195, Wellington C. 1

**NORWAY:** Norges Standardiserings-Forbund, Kongensgt 15, Oslo

**PAKISTAN:** Pakistan Standards Institute, Department of Supply and Development, Mohammadi Houre, McLeod Road, Karachi

**POLAND:** Polski Komitet Normalizacyjny, Ul Swietokrzyska 20/22, Warsaw 51

**PORTUGAL:** Reparticao de Normalizacao, Avenida de Berne 1, Lisbon

**RUMANIA:** Oficiul de Stat Pentru Standarde si Inventa Str Edgar Quinet 6, Bucharest 30

**SOUTH AFRICA:** South African Bureau of Standards, Private Bag 191, Pretoria

**SPAIN:** Instituto Nacional de Racionalizacion Del Trabajo, Alcalá 95, Madrid

**SWEDEN:** Sveriges Standardiseringskommission, Box 3 295, Stockholm 3

**SWITZERLAND:** Association Suisse de Normalisation (SNV), General Wille-Strasse 4, Zurich 2

**TURKEY:** Turk Standartlaie Enstituo, Istas Apt No. 11, Gaza Mustafa, Kenal Bulvari 6/1, Ankara

**URUGUAY:** Instituto Uruguayo de Normas Tecnicas, Agraciada 1464, Piso 9, Montevideo

**USSR:** Komitet Standartov Mer i Izmeritel'nyh, Priborov Pri Souete Ministrov USSR, Bolchaia Kalousskaia No. 9B Moska V49

**VENEZUELA:** Ministry of Public Works, Caracas

**YUGOSLAVIA:** Savezna Komisija za Standardizaciju, Post Fah 933, Belgrade

# Order Form for Special Series

American Standards Association  
70 East Forty-fifth Street  
New York 17, N. Y.

Date \_\_\_\_\_

Kindly send me the publications listed below. Enclosed is \$\_\_\_\_\_ in payment; or  
☐ Please send bill when shipment is made.

Note: Orders accompanied with remittance will not be subject to handling charge of 50 cents.

<u>Quantity</u>	<u>Set or Series</u>	<u>Price</u>	<u>Total</u>
_____	Complete set of American Standards (includes all shown below)	@ \$700.00	_____
_____	Civil Engineering and Construction (A)	@ 100.00	_____
_____	Consumer Goods	@ 55.00	_____
_____	Electrical Engineering (C)	@ 160.00	_____
_____	Mechanical Engineering (B)	@ 190.00	_____
_____	Petroleum Products (Z11)	@ 28.00	_____
_____	Photography and Motion Pictures (PH)	@ 65.00	_____
_____	Safety	@ 70.00	_____

Binders are available for each set or series listed above.  
See page 5 for information.

\_\_\_\_\_ binders as follows (please list descriptions and prices)

_____	@ \$_____	_____
_____	@ _____	_____
_____	@ _____	_____

We wish to keep the set or series of American Standards we have ordered above up to date.

- ☐ Please send with invoices copies of new and revised American Standards for the complete set or series we have ordered above and show our purchase order number\_\_\_\_\_.
- ☐ Please notify us when new and revised American Standards become available so that we can send you a new order.

In the past we have ordered the following, which we should like to bring up to date.

Complete Set of American Standards ☐

Special Series \_\_\_\_\_

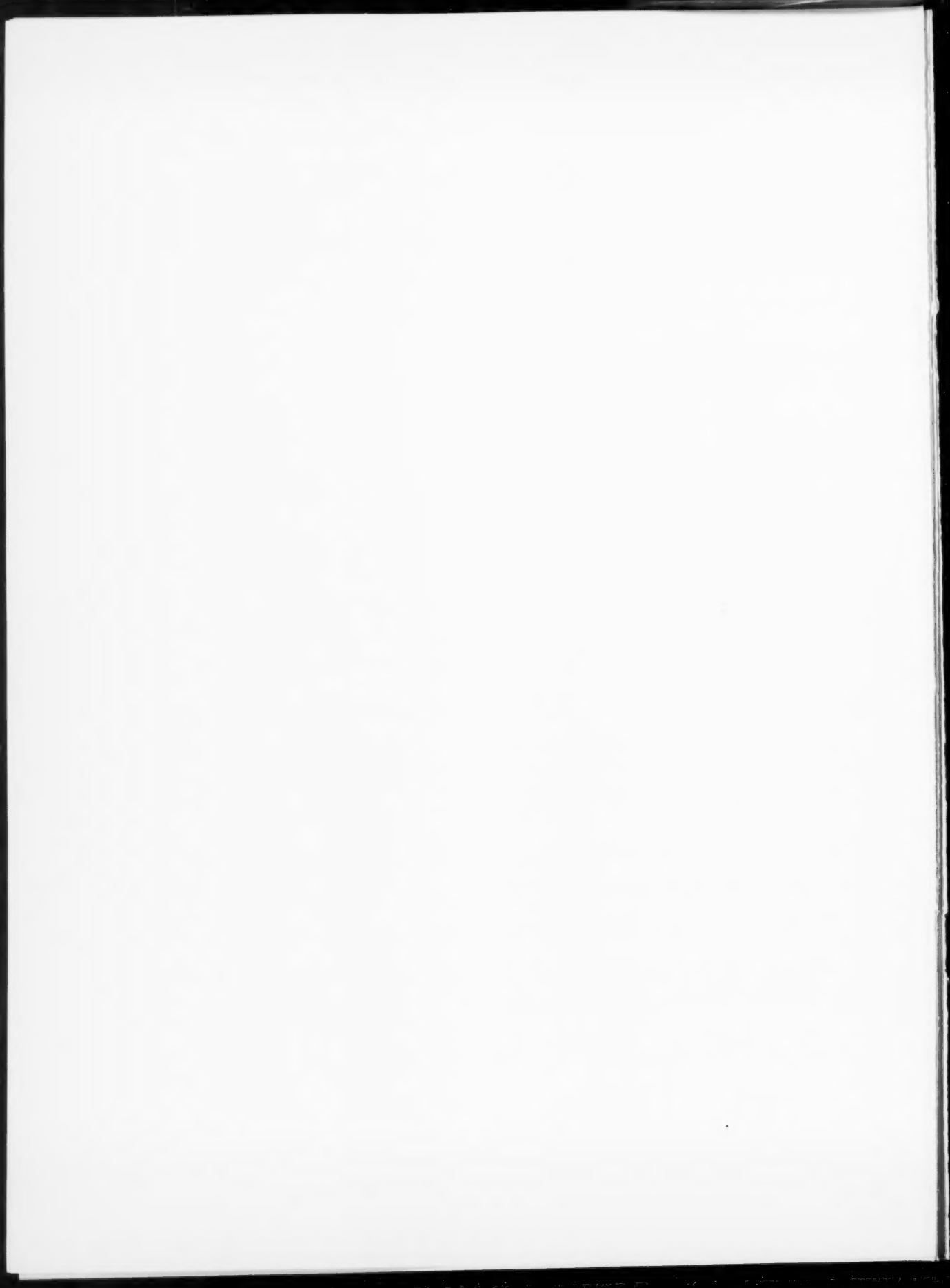
Date of Purchase \_\_\_\_\_

Name \_\_\_\_\_ Title \_\_\_\_\_  
type or print

Organization \_\_\_\_\_ Type of Industry \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_ Zone \_\_\_\_\_ State \_\_\_\_\_



# A Sound Business Investment for Your Company-Membership in the ASA

*Every company benefits from American Standards in the lowered cost of what it produces, in the lowered cost of what it buys, and in the lessened strain of daily business life. Each benefits uniquely and immeasurably in the human and economic savings that result from American Standard provisions for safety and health as used every day in home, office, factory, and community.*

## General Features

Membership in the American Standards Association enables companies to keep informed on standards projects in which they are interested and thus to make full and effective use of all standards. Member-dues underwrite the cost of making American Standards available to the nation.

## American Standards\*

Company members are entitled to free membership copies of each newly approved American Standard. As an introductory service, new members may obtain all American Standards published within the past two years.

## The Magazine of Standards

This monthly publication keeps members in touch with standardization activities as they develop, reports news of world-wide standards programs, carries articles on the experience of others in standards work, and contains information on the practical application of standards in industry.

## Reference Library

ASA maintains a library of between 65,000 and 70,000 standards, specifications, and related ma-

terial primarily for use of its members. This collection includes the standards of the national standards bodies of 41 other countries.

## Information Facilities

The ASA serves as a reference bureau for members on matters of domestic and foreign standards. It is frequently able to provide information needed for filling orders, submitting bids, or for plant operation.

## Company Member Conference

A forum is conducted by ASA for the interchange of standardization experience among company members. It provides a direct channel through which company members have a voice in the policy of the ASA federation by offering their recommendations on any matters in the field of standards.

## National Conference on Standards

ASA holds a three-day conference on standards each year where outstanding speakers report to the nation. The conference opens with ASA's Annual Meeting and closes with the Annual Award Luncheon where two gold medals are presented for distinction in standards work.

\*The minimum fee of \$200 per year provides one free copy of each American Standard and three subscriptions to *The Magazine of Standards*.



# Application for Company Membership

To: American Standards Association, Incorporated  
70 East Forty-fifth Street  
New York 17, New York

*In consideration of the benefits from the work of the American Standards Association, and recognizing:*

THAT it is to the forward-looking self-interest of business to make adequate provision for the development of standards in an orderly fashion as a matter of vital importance in the purchase of its materials, the operation of its plants, and the sale of its products;

THAT national standardization is a function that costs money and must be paid for, the same as any other business activity;

THAT the American Standards Association is the channel through which standards of national importance can best be developed by the agencies of free enterprise;

THAT each industry through its companies should support the American Standards Association, thus insuring its continuous and efficient operation;

Please enroll our company as a member of the American Standards Association.

## SCALE OF DUES FOR COMPANY MEMBERS

Some factors for determining amount of dues include a company's interest in standardization and the degree of its application to purchasing, safety, engineering, production, and sales.

Class	Total Annual Sales (in millions)	Annual Dues
Class E	0-5	200 (min)
Class D	5-33	200-500
Class C	33-67	500-1000
Class B	67-100	1000-1500
Class A	Over 100	Proportionately

For firms preferring to subscribe on the basis of capital, the appropriate equivalent basis shall be one and one-half cents per thousand dollars of aggregate market value of the corporate securities of the firm.

Date .....

Annual Dues of \$ .....

Organization .....

Type of Business .....

Address .....

City ..... Zone ..... State .....

Name ..... Title .....

Signature .....

# Index to Titles of American Standards

The following is an index to subject words in the titles of American Standards. These standards are listed on pages 25-64, under the general subject in which they are classified; for example, Civil Engineering, A; Mechanical Engineering, B; Electrical Engineering, C. For a complete list of subjects and their symbols, see Table of Contents, page I. The standards are listed in alphabetical-numerical sequence. Thus American Standard B5.20 can be found under section B—Mechanical Engineering, in numerical order under B5. In the listing, the number following the hyphen is the year in which the standard was approved by the American Standards Association.

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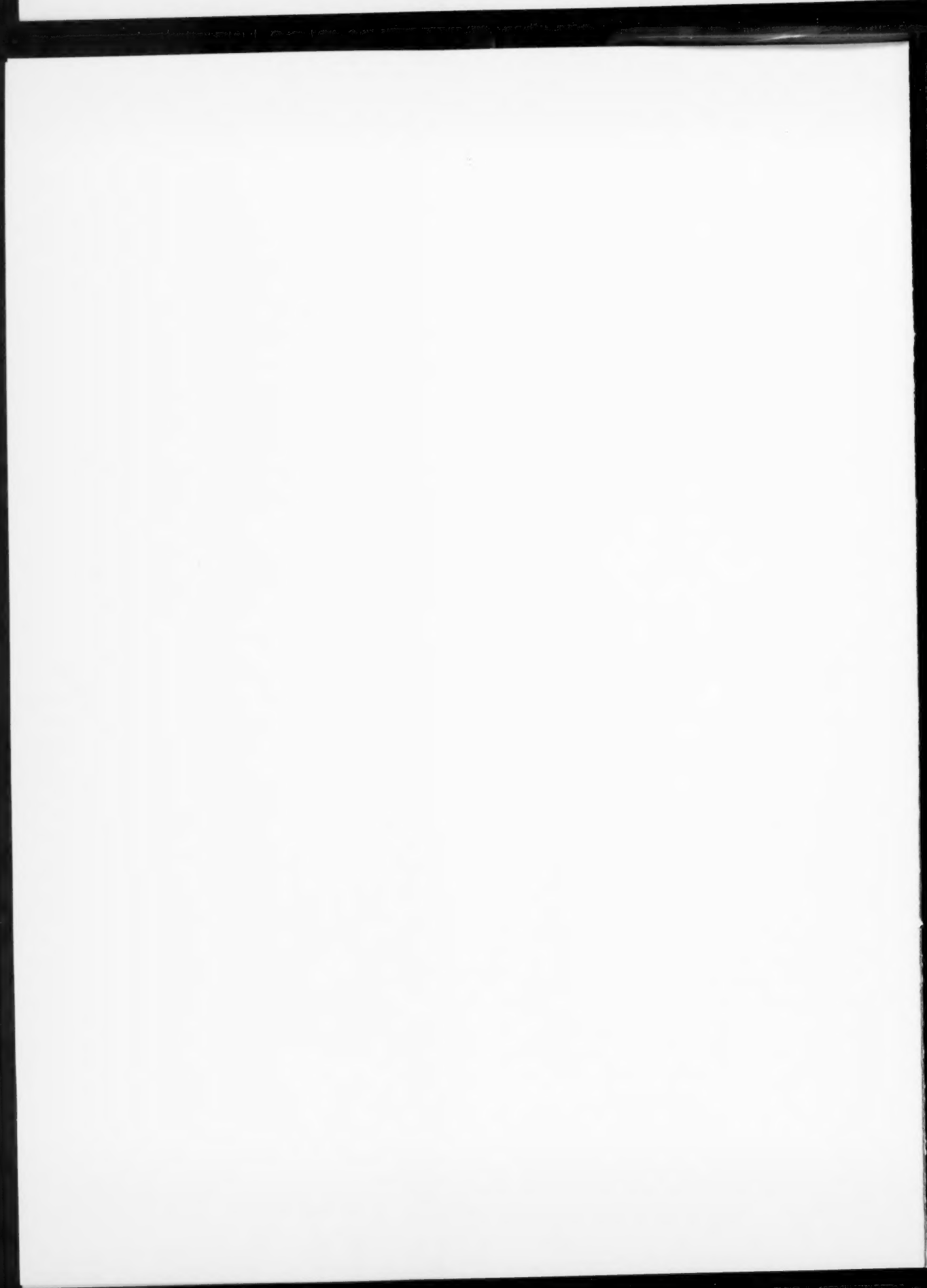
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# American Standards

## Abbreviations

<b>AAN</b>	American Association of Nurserymen, Inc	<b>CGA</b>	Compressed Gas Association
<b>AAR</b>	Association of American Railroads	<b>CS</b>	Commercial Standard
<b>AASHO</b>	American Association of State Highway Officials	<b>IPCEA</b>	Insulated Power Cable Engineers Association
<b>AATCC</b>	American Association of Textile Chemists and Colorists	<b>IRE</b>	Institute of Radio Engineers
<b>ACI</b>	American Concrete Institute	<b>ITE</b>	Institute of Traffic Engineers
<b>AGMA</b>	American Gear Manufacturers Association	<b>JAN</b>	Joint Army-Navy Specification
<b>AIA</b>	American Institute of Architects	<b>NBFU</b>	National Board of Fire Underwriters
<b>AIEE</b>	American Institute of Electrical Engineers	<b>NBS</b>	National Bureau of Standards
<b>API</b>	American Petroleum Institute	<b>NEMA</b>	National Electrical Manufacturers Association
<b>ASRE</b>	American Society of Refrigerating Engineers	<b>NFPA</b>	National Fire Protection Association
<b>ASTM</b>	American Society for Testing Materials	<b>R</b>	Reaffirmed
<b>AWWA</b>	American Water Works Association	<b>RETMA</b>	Radio-Electronics Television Manufacturers Association; name changed to Electronic Industries Association (EIA)
<b>BLS</b>	U. S. Bureau of Labor Statistics Bulletin	<b>SAE</b>	Society of Automotive Engineers
<b>BMTP</b>	U. S. Bureau of Mines Technical Paper	<b>SPR</b>	Simplified Practice Recommendation

## Legend

An open star ( $\star$ ) indicates that the standard is not yet available and price will be announced at a later date.

A dagger ( $\dagger$ ) indicates American Standards published by ASA to which quantity prices apply

## A — Civil Engineering and Construction

(Special price of series, \$100.00, including applicable abbreviation and symbol standards.)

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<b>A1.1-1954</b>	Portland Cement, Specifications for (ASTM C150-53) .....	.30	<b>A1.13-1950</b>	Soundness of Hydraulic Cement Over Boiling Water (Pat Test), Method of Test for (ASTM C189-49) .....	.30
<b>A1.2-1948</b> R1950	Sampling Hydraulic Cement, Methods of (ASTM C138-46) .....	.30	<b>A1.14-1950</b>	Tensile Strength of Hydraulic Cement Mortars, Method of Test for (ASTM C190-49) .....	.30
<b>A1.3-1954</b>	Masonry Cement, Specifications for (ASTM C91-53) .....	.30	<b>A1.15-1954</b>	Time of Setting of Hydraulic Cement by the Vicat or Gillmore Needles, Methods of Test for (ASTM C191-52) .....	.30
<b>A1.4-1954</b>	Compressive Strength of Hydraulic Cement Mortars, Method of Tests for (ASTM C109-52) .....	.30	<b>A1.16-1954</b>	Air-Entraining Portland Cement, Specifications for (ASTM C175-53) .....	.30
<b>A1.5-1954</b>	Chemical Analysis of Portland Cement, Methods of (ASTM C114-53; AASHO T105-53 [Part I]) .....	.60	<b>A1.17-1954</b>	Time of Setting of Hydraulic Cement by Gillmore Needles, Method of Test for (ASTM C266-51T) .....	.30
<b>A1.6-1950</b>	Chemical Analysis of Portland Cement, Methods of (ASTM C114-51T) .....		<b>A2.1-1956</b>	Fire Tests of Building Construction and Materials, Methods of (ASTM E119-55) .....	.30
<b>A1.7-1954</b>	Fineness of Portland Cement by the Turbidimeter, Method of Test for (ASTM C115-53; AASHO T98-53) .....	.30	<b>A2.2-1956</b>	Fire Tests of Door Assemblies, Methods of (ASTM E152-55T) .....	.30
<b>A1.8-1954</b>	Autoclave Expansion of Portland Cement, Method of Test for (ASTM C151-53) .....	.30	<b>A2.3-1956</b>	Combustible Properties of Treated Wood by the Fire-Tube Apparatus, Method of Test for (ASTM E69-50) .....	.30
<b>A1.9-1954</b>	Air Content of Portland Cement Mortar, Method of Test for (ASTM C185-53T) .....	.30	<b>A2.4-1956</b>	Combustible Properties of Treated Wood by the Crib Test, Method of Test for (ASTM E160-50) .....	.30
<b>A1.10-1954</b>	Heat of Hydration of Portland Cement, Method of Test for (ASTM C186-53) .....	.30	<b>A6.1-1956</b>	Drain Tile, Specifications for (ASTM C4-55) .....	.30
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			<b>A10.2-1944</b>	$\dagger$ Building Construction, Safety Code for .....	1.75
			<b>A11.1-1952</b>	Industrial Lighting .....	.50

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<b>A37.28-1957</b> Clay Lumps in Natural Aggregates, Method of Test for (ASTM C142-55T; AASHTO T112-55) .....	.30	<b>A37.52-1948</b> Freezing-and-Thawing Test of Compacted Soil-Cement Mixtures, Method of (ASTM D560-44; AASHTO T136-45) .....	.30
<b>A37.29-1954</b> Slump Test for Consistency of Portland-Cement Concrete, Method of (ASTM C143-52; AASHTO T119-52) .....	.30	<b>A37.53-1948</b> Cut-back Asphalt (Rapid Curing Type), Specifications for (ASTM D597-46; AASHTO M81-42) .....	.30
<b>A37.30-1957</b> Sampling of Fresh Concrete, Method of (ASTM C172-54; AASHTO T141) .....	.30	<b>A37.54-1948</b> Cut-back Asphalt (Medium Curing Type), Specifications for (ASTM D598-46; AASHTO M82-42) .....	.30
<b>A37.31-1951</b> Measuring Length of Drilled Concrete Cores, Method of (ASTM C174-49; AASHTO T148-49) .....	.30	<b>A37.55-1957</b> Emulsified Asphalt, Specifications for (ASTM D977-53) .....	.30
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<b>A37.33-1957</b> Terms Relating to Materials for Roads and Pavements, Definitions of (ASTM D8-55) .....	.30	<b>A37.57-1948</b> Volume Correction Table for Tar and Coal-Tar Pitch (ASTM D633-44) .....	.30
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<b>A37.36-1948</b> Softening Point of Tar Products (Cup-in-Water Method), Method of Test for (ASTM D61-38) .....	.30	<b>A37.60-1957</b> Cotton Mats for Curing Concrete Pavements, Specifications for (AASHTO M73-49) .....	.30
<b>A37.37-1951</b> Calcium Chloride, Specifications for (ASTM D98-48; AASHTO M144-49) .....	.30	<b>A37.61-1957</b> Subgrade Paper, Specifications for (AASHTO M74-55) .....	.30
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<b>B7.1-1956</b> Use, Care, and Protection of Abrasive Wheels, Safety Code for the .....	1.00
<b>B8-1932</b> †Protection of Industrial Workers in Foundries, Safety Code for the .....	.35
<b>B9.1-1953</b> Mechanical Refrigeration, Safety Code for (ASRE Circular 15-R) .....	1.00
<b>B11.1-1948</b> †Power Presses and Foot and Hand Presses, Safety Code for .....	1.25
<b>B13-1924</b> Logging and Sawmill Safety Code (NBS Handbook H5) .....	<i>Out of print</i>
<b>B15.1-1953</b> Mechanical Power-Transmission Apparatus, Safety Code for .....	2.00

**● B16 — Cast-Iron Pipe Flanges and Flanged Fittings:**

<b>B16b-1944</b> Cast-Iron Pipe Flanges and Flanged Fittings, Class 250 .....	1.50
<b>B16b1-1931</b> Cast-Iron Pipe Flanges and Flanged Fittings (for 800-lb Hydraulic Pressure) ....	1.00
<b>B16b2-1931</b> Cast-Iron Pipe Flanges and Flanged Fittings (for Maximum WSP of 25 lb) .....	1.00
<b>B16.1-1948</b> Cast-Iron Pipe Flanges and Flanged Fittings, Class 125 .....	1.50
<b>B16.3-1951</b> Malleable-Iron Screwed Fittings, 150 lb. ...	1.50
<b>B16.4-1949</b> Cast-Iron Screwed Fittings, 125 and 250 lb. ...	1.50
<b>B16.5-1953</b> Steel Pipe Flanges and Flanged Fittings ..	3.00
<b>B16.9-1951</b> Steel Butt-Welding Fittings .....	1.50
<b>B16.10-1957</b> Face-to-Face and End-to-End Dimensions of Ferrous Valves .....	1.50

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	Price
● B16 — Cast-Iron Pipe Flanges and Flange Fittings (Continued)	
B16.11-1946 R1952	Steel Socket-Welding Fittings ..... 1.00
B16.12-1953	Cast-Iron Screwed Drainage Fittings ..... 1.00
B16.14-1949 R1953	Ferrous Plugs, Bushings, and Locknuts with Pipe Threads ..... 1.00
B16.15-1947 R1952	Brass or Bronze Screwed Fittings, 125 lb. . . 1.50
B16.16-1948 R1952	Cast-Iron Flanges and Flanged Fittings for Refrigerant Piping, Class 300 ..... 1.00
B16.17-1949 R1953	Brass or Bronze Screwed Fittings, 250 lb. . . 1.00
B16.18-1950	Cast-Brass Solder-Joint Fittings ..... 1.50
B16.19-1951	Malleable-Iron Screwed Fittings, 300 lb. . . 1.00
B16.20-1956	Ring-Joint Gaskets and Grooves for Steel Pipe Flanges ..... 1.00
B16.21-1951	Nonmetallic Gaskets for Pipe Flanges ... 1.00
B16.22-1951	Wrought Copper and Bronze Solder-Joint Fittings ..... 1.00
B16.23-1955	Cast-Brass Solder-Joint Drainage Fittings, . . 1.50
B16.24-1953	Brass or Bronze Flanges and Flanged Fit- tings ..... 1.00
B16.25-1955	Butt-Welding Ends ..... 1.00
●	
B17f-1930 R1954	Woodruff Keys, Keyslots, and Cutters .... 1.00

## ● B18 — Bolts and Nuts:

B18.1-1955	Small Solid Rivets ..... 1.50
B18.2-1955	Square and Hexagon Bolts and Nuts ..... 2.00
B18.3-1954	Socket Head Cap Screws and Socket Set Screws ..... 1.50
B18.4-1950 R1957	Large Rivets ( $\frac{1}{2}$ Inch Nominal Diameter and Larger) ..... 1.50
B18.5-1952	Round Head Bolts ..... 1.50
B18.6-1947	Slotted and Recessed Head Screws, Machine and Tapping Types (For partial revisions of this standard, see B18.6.1-1956 and B18.6.2-1956) ..... 2.00
B18.6.1-1956	Slotted and Recessed Head Wood Screws, (Partial Revision of B18.6-1947) ..... 1.00
B18.6.2-1956	Hexagon Head Cap Screws, Slotted Head Cap Screws, Square Head Set Screws, and Slotted Headless Set Screws (Partial Re- vision of B18.6-1947) ..... 1.50
B18.8-1950	High-Strength High-Temperature Internal Wrenching Bolts ..... 1.00
B18.9-1950	Plow Bolts ..... 1.50
B18.10-1952	Track Bolts and Nuts ..... 1.50
●	
B19-1938	Compressed Air Machinery and Equipment, Safety Code for ..... <i>Out of print</i>
B20.1-1947	Conveyors, Cableways, and Related Equip- ment, Safety Code for ..... <i>Out of print</i>
B24.1-1952	†Forging and Hot Metal Stamping, Safety Code for ..... 1.00
B26-1925 R1953	Fire-Hose Couplings Screw Thread ..... 1.00
B27.1-1950	Lock Washers ..... 1.50
B27.2-1953	Plain Washers ..... 1.00
B28.1-1949	†Mills and Calenders in the Rubber Indus- try, Safety Code for ..... 1.00

	Price
B29.1-1957	Transmission Roller Chains and Sprocket Teeth (SAE SP-69) ..... 3.00
B29.2-1957	Inverted Tooth (Silent) Chains and Sprocket Teeth (SAE SP-68) ..... 2.00
B29.3-1954	Double-Pitch Power Transmission Roller Chains and Sprockets (SAE SP-90) ..... 2.00
B29.4-1954	Double-Pitch Conveyor Roller Chains, Attachments, and Sprockets (SAE SP-91) 2.00
B29.5-1954	Attachments for Transmission Roller Chains (SAE SP-92) ..... 1.00
B29.6-1954	Steel Detachable Link Chain and Attach- ments (SAE SP-93) ..... 2.00
B29.7-1954	Malleable-Iron Detachable Link Chain and Attachments (SAE SP-94) ..... 3.00
B30.1-1943 R1952	Jacks, Safety Code for ..... 1.00
B30.2-1943 R1952	Cranes, Derricks, and Hoists, Safety Code for ..... 2.50
B31.1-1955	Code for Pressure Piping (Sections I through 7) ..... 3.50
B31.1.8-1955	Gas Transmission and Distribution Piping Systems (Section 8 of Code for Pressure Piping B31.1-1955) ..... 2.50
B32.1-1952	Preferred Thicknesses for Uncoated Thin Flat Metals (Under 0.250 in.) ..... 1.00
B33.1-1935 R1947	Hose Coupling Screw Threads ..... 1.00

## ● B36 — Iron and Steel Pipe:

B36.1-1956	Welded and Seamless Steel Pipe, Specifi- cations for (ASTM A53-55T; ASME SA-53) . . 30
B36.2-1956	Welded Wrought Iron Pipe, Specifications for (ASTM A72-55) ..... 30
B36.3-1956	Seamless Carbon-Steel Pipe for High-Tem- perature Service, Specifications for (ASTM A106-55T; ASME SA-106) ..... 30
B36.4-1956	Electric-Fusion (Arc)-Welded Steel Plate Pipe Sizes, 16 in. and Over, Specifications for (ASTM A134-54) ..... 30
B36.5-1956	Electric-Resistance-Welded Steel Pipe, Spec- ifications for (ASTM A135-55T; ASME SA-135) ..... 30
B36.9-1956	Electric-Fusion (Arc)-Welded Steel Pipe, Sizes 4 in. and Over, Specifications for (ASTM A139-55) ..... 30
B36.10-1950	Wrought-Steel and Wrought-Iron Pipe .... 1.50
B36.11-1956	Electric-Fusion-Welded Steel Pipe for High Temperature Service, Specifications for (ASTM A155-55) ..... 30
B36.12-1956	Seamless Steel Boiler Tubes, Specifications for (ASTM A83-55T; ASME SA-83) .... 30
B36.13-1956	Electric-Resistance-Welded Steel and Open- Hearth Iron Boiler Tubes, Specifications for (ASTM A178-55T; ASME SA-178) .. 30
B36.14-1956	Seamless Steel Boiler Tubes for High- Pressure Service (ASTM A192-55T; ASME SA-192) ..... 30
B36.15-1956	Medium-Carbon Seamless Steel Boiler and Superheater Tubes, Specifications for (ASTM A210-55T; ASME SA-210) .... 30
B36.16-1956	Spiral-Welded Steel or Iron Pipe, Specifi- cations for (ASTM A211-54) ..... 30
B36.17-1956	Seamless Alloy Steel Boiler, Superheater, and Heat Exchanger Tubes, Specifications for (ASTM A213-55T; ASME SA-213) ... 30
B36.18-1956	Electric-Resistance-Welded Steel Boiler and Superheater Tubes for High-Pressure Service (ASTM A226-55T; ASME SA- 226) ..... 30
B36.19-1957	Stainless Steel Pipe ..... 1.00

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## ● B36 — Iron and Steel Pipe (Continued)

	Price
<b>B36.20-1951</b> Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless Steel Pipe for Ordinary Uses, Specifications for (ASTM A120-47) . . . . .	.30
<b>B36.23-1956</b> Welded and Seamless Open-Hearth Iron Pipe, Specifications for (ASTM A253-55T) . . . . .	.30
<b>B36.26-1956</b> Seamless and Welded Austenitic Stainless Steel Pipe, Specifications for (ASTM A312-55) . . . . .	.30
<b>B36.27-1956</b> Seamless Low-Carbon and Carbon-Molybdenum Steel Still Tubes for Refinery Service, Specifications for (ASTM A161-55T) . . . . .	.30
<b>B36.28-1956</b> Seamless Cold-Drawn Low-Carbon Steel Heat-Exchanger and Condenser Tubes (ASTM A-179-55) . . . . .	.30
<b>B36.29-1956</b> Seamless Cold-Drawn Intermediate Alloy-Steel Heat-Exchanger and Condenser Tubes (ASTM A199-55) . . . . .	.30
<b>B36.30-1956</b> Seamless Intermediate Alloy-Steel Still Tubes for Refinery Service, Specifications for (ASTM A200-55T) . . . . .	.30
<b>B36.31-1956</b> Seamless Carbon-Molybdenum Alloy-Steel Boiler and Superheater Tubes, Specifications for (ASTM A209-55T; ASME SA-209) . . . . .	.30
<b>B36.32-1956</b> Electric-Resistance-Welded Steel Heat-Exchanger and Condenser Tubes, Specifications for (ASTM A214-55T) . . . . .	.30
<b>B36.33-1956</b> Welded Austenitic Stainless Steel Boiler, Superheater, Heat Exchanger, and Condenser Tubes, Specifications for (ASTM A249-55T; ASME SA-249) . . . . .	.30
<b>B36.34-1956</b> Electric-Resistance-Welded Carbon-Molybdenum Alloy-Steel Boiler and Superheater Tubes, Specifications for (ASTM A250-55T; ASME SA-250) . . . . .	.30
<b>B36.35-1956</b> Copper Brazed Steel Tubing, Specifications for (ASTM A254-55T) . . . . .	.30
<b>B36.36-1956</b> Seamless and Welded Ferritic Stainless Steel Tubing for General Service, Specifications for (ASTM A268-55; ASME SA-268) . . . . .	.30
<b>B36.37-1956</b> Seamless and Welded Austenitic Stainless Steel Tubing for General Service, Specifications for (ASTM A269-55) . . . . .	.30
<b>B36.38-1956</b> Seamless and Welded Austenitic Stainless Steel Sanitary Tubing, Specifications for (ASTM A270-55) . . . . .	.30
<b>B36.39-1956</b> Seamless Austenitic Chromium-Nickel Steel Still Tubes for Refinery Service (ASTM A271-55) . . . . .	.30
<b>B36.40-1956</b> Seamless and Welded Steel Pipe for Low-Temperature Service, Specifications for (ASTM A333-55T; ASME SA-333) . . . . .	.30
<b>B36.41-1956</b> Seamless and Welded Steel Tubes for Low-Temperature Service, Specifications for (ASTM A334-55T; ASME SA-334) . . . . .	.30
<b>B36.42-1956</b> Seamless Ferritic Alloy Steel Pipe for High-Temperature Service, Specifications for (ASTM A335-55T; ASME SA-335) . . . . .	.30
●	
<b>B38.1-1955</b> Food-Storage Volume and Shelf Area of Automatic Household Refrigerators, Method of Computing (NEMA HRF 1-1953) . . . . .	.35
<b>B38.2-1956</b> †Household Electric Refrigerators (Mechanically Operated), Test Procedures for (NEMA HRF2-1955) . . . . .	.75

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	Price
<b>B38.3-1955</b> Methods of Rating and Testing Home Freezers . . . . .	.50
<b>B40.1-1939</b> Indicating Pressure and Vacuum Gages . . . . .	1.50
<b>B45.1-1932</b> Foundry Patterns of Wood (CS19-32) . . . . .	Out of print
<b>B46.1-1955</b> Surface Roughness, Waviness, and Lay . . . . .	1.50
<b>B47.1-1956</b> Gage Blanks (CS8-51 with 1955 Supplement) . . . . .	.45
<b>B48.1-1933</b> †Inch-Millimeter Conversion for Industrial Use . . . . .	.50
<b>B49.1-1947</b> Shaft Couplings, Integrally Forged Flange Type for Hydro-Electric Units . . . . .	1.00
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<b>B57.1-1957</b> Compressed Gas Cylinder Valve Outlet and Inlet Connections (CGA V-1) . . . . .	1.50
<b>B58.1-1955</b> Deep Well Vertical Turbine Pumps, Specifications for . . . . .	.50
<b>B59.1-1950</b> Mechanical Refrigeration Installations on Shipboard (ASRE 26) . . . . .	1.00
<b>B60.1-1950</b> Refrigerant Expansion Valves, Method of Rating and Testing (ASRE 17-R) . . . . .	.50
<b>B64.1-1954</b> †One-Quart Round Motor Oil Cans, Specifications for . . . . .	.35
<b>B64.2-1957</b> †Five-Quart and One-Gallon Round Motor Oil Cans, Requirements for . . . . .	.35
<b>B64.3-1954</b> Oblong Oil Cans, Requirements for . . . . .	.35
<b>B64.4-1954</b> †Grease Cans, Requirements for . . . . .	.35
<b>B65.1-1954</b> †Controls and Signaling Devices for Graphic Art Presses, Safety Code for . . . . .	.50
<b>B70.1-1954</b> Refrigeration Flare-Type Fittings (SAE SP-95) . . . . .	2.00
<b>B74.1-1957</b> †Diamond Wheel Shapes, Identification Code for . . . . .	.75
<b>B75.1-1956</b> Conveyor Terms and Definitions . . . . .	1.00

## C — Electrical Engineering

(Special price of series, including acoustic and applicable abbreviation and symbol standards, \$160.00)

<b>C1-1956</b> National Electrical Code (NBFU 70; Pocket Edition) . . . . .	.25
(Paper-bound NFPA 70; 4¼ x 7¼ in., 480 pages . . . . . \$1.00)	
● C2 — National Electrical Safety Code (NBS Handbook H30):	
<b>C2.1-1941</b> Installation and Maintenance of Electrical Supply Stations, Safety Rules for the (NBS Handbook H31) . . . . .	
R1947	
<b>C2.2-1941</b> Installation and Maintenance of Electric Supply and Communication Lines, Safety Rules for the (NBS Handbook H32) . . . . .	
R1947	
<b>C2.3-1941</b> Installation and Maintenance of Electric Utilization Equipment, Safety Rules for the (NBS Handbook H33) . . . . .	2.25
R1947	
<b>C2.4-1939</b> Operation of Electric Equipment and Lines, Safety Rules for the (NBS Handbook H34) . . . . .	
R1947	
<b>C2.5-1940</b> Radio Installations, Safety Rules for (NBS Handbook H35) . . . . .	
R1947	

	Price		Price
● C5 — Protection against Lightning, Code for (NBS Handbook H46; NFPA 78):		● C7 — Bare Wire (Continued)	
C5.1-1953	Part I, Protection of Persons .....	C7.19-1953	Concentric-Lay-Stranded Copper and Copper Covered Steel Composite Conductors, Specifications for (ASTM B229-52) ..... .30
C5.2-1953	Part II, Protection of Buildings and Miscellaneous Property .....	C7.20-1956	Hard-Drawn Aluminum Wire for Electrical Purposes, Specifications for (ASTM B230-55T) ..... .30
C5.3-1953	Part III, Protection of Structures Containing Flammable Liquids and Gases .....	C7.21-1956	Concentric-Lay-Stranded Aluminum Conductors, Hard-Drawn and Three-Quarter Hard-Drawn, Specifications for (ASTM B231-55) ..... .30
●		C7.22-1956	Concentric-Lay-Stranded Aluminum Conductors, Steel Reinforced (ACSR), Specifications for (ASTM B232-55T) ..... .30
C6.1-1956	Terminal Markings for Electrical Apparatus (NEMA CB1-1956) ..... 1.00	C7.23-1956	Rolled Aluminum Rods (EC Grade) for Electrical Purposes, Specifications for (ASTM B233-55) ..... .30
● C7 — Bare Wire:		C7.24-1951	Resistivity of Electrical Conductor Materials, Method of Test for (ASTM B193-49) ..... .30
C7.1-1955	Soft or Annealed Copper Wire, Specifications for (ASTM B3-54T) ..... .30	C7.25-1953	Copper Bus Bar, Rod, and Shapes, Specifications for (ASTM B187-52) ..... .30
C7.2-1953	Hard-Drawn Copper Wire, Specifications for (ASTM B1-53T) ..... .30	C7.26-1953	Seamless Copper Bus Pipe and Tube, Specifications for (ASTM B188-52) ..... .50
2nd ed. R1957		C7.27-1956	Aluminum Bars for Electrical Purposes (Bus Bars), Specifications for (ASTM B236-55T) ..... .30
C7.3-1953	Medium-Hard-Drawn Copper Wire, Specifications for (ASTM B2-52) ..... .30	C7.28-1955	Standard Weight Zinc Coated (Galvanized) Steel Core Wire for Aluminum Conductors, Steel Reinforced (ACSR), Specifications for (ASTM B245-55) ..... .30
C7.4-1953	Tinned Soft or Annealed Copper Wire for Electrical Purposes, Specification for (ASTM B33-53T) ..... .30	C7.29-1953	Determination of Cross-Sectional Area of Stranded Conductors, Method of (ASTM B263-53T) ..... .30
2nd ed.		C7.30-1956	Zinc-Coated (Galvanized) High Tensile Steel Telephone and Telegraph Line Wire, Specifications for (ASTM A326-52) ..... .30
C7.5-1956	Bronze Trolley Wire, Specifications for (ASTM B9-55) ..... .30	C7.31-1956	Zinc-Coated (Galvanized) "Iron" Telephone and Telegraph Line Wire, Specifications for (ASTM A111-52) (Revision of G8.3-1944) ..... .30
C7.6-1956	Copper Trolley Wire, Specifications for (ASTM B47-55) ..... .30	C7.32-1956	Zinc-Coated Steel Wire Strand "Galvanized" and Class A ("Extra Galvanized") Specifications for (ASTM A122-54T) (Revision of G8.6-1943) ..... .30
C7.7-1953	Hot-Rolled Copper Rods for Electrical Purposes, Specifications for (ASTM B49-52) ..... .30	C7.33-1956	Zinc-Coated Steel Wire Strand (Class B and Class C Coatings) Specifications for (ASTM A218-54T) (Revision of G8.11-1944) ..... .30
C7.8-1953	Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard, or Soft, Specifications for (ASTM B8-53) ..... .30	C7.34-1956	Zinc-Coated (Galvanized) Steel Core Wire (With Coatings Heavier Than Standard Weight) for Aluminum Conductors, Steel Reinforced (ACSR), Specifications for (ASTM B261-55) ..... .30
2nd ed.		C7.35-1956	Three-Quarter Hard Aluminum Wire for Electrical Purposes, Specifications for (ASTM B262-55) ..... .30
C7.9-1956	Soft Rectangular and Square Bare Copper Wire for Electrical Conductors, Specifications for (ASTM B48-55) ..... .30	C7.36-1956	Standard Nominal Diameters and Cross-Sectional Areas of AWG Sizes of Solid Round Wires Used As Electrical Conductors, Specifications for (ASTM B258-51T) ..... .30
C7.10-1956	Hard-Drawn Copper Alloy Wires for Electrical Conductors, Specifications for (ASTM B105-55) ..... .30	● C8 — Insulated Wire:	
C7.11-1956	Figure-9 Deep-Section Grooved and Figure-8 Copper Trolley Wire for Industrial Haulage, Specifications for (ASTM B116-55) ..... .30	C8.1-1944	Definitions and General Standards for Wire and Cables (AIEE 30-1944) ..... 40
C7.12-1953	Rope-Lay Stranded Copper Conductors Having Bunch-Stranded Members, for Electrical Conductors, Specifications for (ASTM B172-53T) ..... .30	R1953	
2nd ed.		C8.9-1942	†Slow-Burning Wire and Cable, Specifications for ..... .35
C7.13-1953	Rope-Lay Stranded Copper Conductors Having Concentric-Stranded Members, for Electrical Conductors, Specifications for (ASTM B173-53T) ..... .30	R1953	
2nd ed.		ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE	
C7.14-1953	Bunch-Stranded Copper Conductors for Electrical Conductors, Specifications for (ASTM B174-53T) ..... .30		
2nd ed.			
C7.15-1953	Lead-Coated and Lead-Alloy-Coated Soft Copper Wire for Electrical Purposes, Specifications for (ASTM B189-53T) .... .30		
2nd ed.			
C7.16-1953	Cored, Annular, Concentric-Lay-Stranded Copper Conductors, Specifications for (ASTM B226-52) ..... .30		
C7.17-1953	Hard-Drawn Copper Covered Steel Wire, Specifications for (ASTM B227-52) ..... .30		
C7.18-1953	Concentric-Lay-Stranded Copper Covered Steel Conductors, Specifications for (ASTM B228-52) ..... .30		

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## ● C8 — Insulated Wire (Continued)

	Price
<b>C8.12-1956</b> †Cotton Braid for Insulated Wire and Cable for General Purposes, Specifications for	.75
<b>C8.13-1948</b> Varnished Cambric Insulated Cables, Specification for (IPCEA S-2-1946)... <i>Out of print</i>	
<b>C8.15-1942</b> †Metallic Coverings for Insulated Wire and Cable, Specifications for..... <i>Out of print</i>	
<b>C8.16-1953</b> †Rubber-Insulated Tree Wire, Specifications for	.50
<b>C8.17-1954</b> AO 30% Hevea Rubber Compound for Insulated Wire and Cable (ASTM D 27-52T)	.60
<b>C8.18-1948</b> †Weather-Resistant (Weatherproof) Wire and Cable (URC Type), Specifications for	.60
<b>C8.19-1939</b> †Weather-Resistant Saturants and Finishes for Aerial Rubber Insulated Wire and Cable, Specifications for	.40
<b>C8.22-1954</b> Rubber Insulated Wire and Cable, Methods of Testing (ASTM D470-52T)	.50
<b>C8.23-1954</b> Performance Synthetic Rubber Compound for Insulated Wire and Cable, Specifications for (ASTM D755-52T)	.50
<b>C8.24-1954</b> Heat-Resisting Synthetic Rubber Compound for Insulated Wire and Cable, Specifications for (ASTM D754-52T)	.50
<b>C8.25-1954</b> Rubber Sheath Compound for Electrical Insulated Cords and Cables, Specifications for (ASTM D532-49)	.50
<b>C8.26-1954</b> Performance Rubber Compound for Insulated Wire and Cable, Specifications for (ASTM D353-52T)	.50
<b>C8.27-1954</b> Heat-Resisting Rubber Compound for Insulated Wire and Cable, Specifications for (ASTM D469-52T)	.50
<b>C8.28-1954</b> GR-S Synthetic Rubber Sheath Compound for Electrical Insulated Cords and Cables, Specifications for (ASTM D866-46T)	.50
<b>C8.29-1954</b> Ozone-Resistant Type Insulation for Insulated Wire and Cable, Specifications for (ASTM D574-46T)	.50
<b>C8.30-1954</b> Insulated Wire and Cable: Polyvinyl Insulating Compound, Specifications for (ASTM D734-50T)	.50
<b>C8.31-1954</b> Sheath Compound for Electrical Insulated Cords and Cables Where Extreme Abrasion Resistance Is Not Required, Specifications for (ASTM D753-49)	.50
<b>C8.32-1954</b> GR-M Polychloroprene Sheath Compound for Electrical Insulated Cords and Cables, Specifications for (ASTM D752-49T)	.50
<b>C8.33-1954</b> Thermoplastic Vinyl Polymer Sheath Compound for Electrical Insulated Cords and Cables, Specifications for (ASTM D1047-49T)	.50
<b>C8.34-1954</b> †Weather-Resistant Wire and Cable, Neoprene Type, Specifications for	.50
<b>C8.35-1957</b> †Weather-Resistant Wire and Cable, Polyethylene Type, Specifications for	.75
<b>C8.36-1955</b> Asbestos, Asbestos-Varnished Cloth and Asbestos-Thermoplastic Insulated Wires and Cables, Requirements for (NEMA WCI 1955)	3.00

## ● C9 — Magnet Wire:

	Price
<b>C9.1-1953</b> †Enamel-Coated Round Copper Magnet Wire (NEMA MW1-1953)	.50
<b>C9.2-1953</b> †Cotton-Covered Round Copper Magnet Wire (NEMA MW11-1953)	.35
<b>C9.3-1953</b> †Silk-Covered Round Copper Magnet Wire (NEMA MW21-1953)	.35
<b>C9.4-1953</b> †Nylon-Fibre-Covered Round Copper Magnet Wire (NEMA MW22-1953)	.35
<b>C9.5-1955</b> †Single and Heavy Vinyl Acetal-Coated Round Copper Magnet Wire (NEMA MW15-1955)	.75
<b>C9.6-1955</b> †Heavy Vinyl Acetal-Coated Rectangular and Square Copper Magnet Wire (NEMA MW18-1955)	.50
<b>C9.7-1955</b> †Double-Paper Single Cotton-Covered Rectangular and Square Copper Magnet Wire (NEMA MW32-1955)	.50
●	
<b>C12-1941</b> Electricity Meters, Code for, including Supplement C12a-1947	2.00
R1957 (C12a-1947 sold separately....25c)	

## ● C16 — Radio:

	Price
<b>C16.4-1942</b> †Loudspeaker Testing	.50
<b>C16.5-1954</b> †Volume Measurements of Electrical Speech and Program Waves	.50
<b>C16.11-1949</b> †Antennas, Methods of Testing (48 IRE 2.52)	.75
<b>C16.12-1949</b> †Frequency-Modulation Broadcast Receivers, Methods of Testing (47 IRE 17.51), with Supplement, C16.12a-1951, Effects of Mistuning and Downward Modulation, Methods of Testing for (49 IRE 17.51)...	1.25
<b>C16.13-1949</b> †Television Receivers (Monochrome Service, 6-Megacycle Channel), Methods of Testing (48 IRE 22.51)	1.00
<b>C16.16-1949</b> †Vibrating Interrupters and Rectifiers for Auto Radios (Frequency 115 Cycles) (RETMA REC-113)	.35
<b>C16.18-1951</b> †Vehicular Communications Receivers, Methods of Testing (49 IRE 16.51)	.50
<b>C16.19-1951</b> †Amplitude-Modulation Broadcast Receivers, Methods of Testing (48 IRE 17.51)...	1.00
<b>C16.20-1951</b> †Television Signal Levels, Resolution, and Timing of Video Switching Systems, Methods of Measurement of (50 IRE 23.51)	.75
<b>C16.21-1954</b> †Definitions of Terms on Antennas and Wave Guides (54 IRE 2.51)	.75
<b>C16.23-1954</b> †Measurement of Aspect Ratio and Geometric Distortion of Television Cameras and Picture Monitors, Methods of (54 IRE 23.51)	.60
<b>C16.25-1955</b> †Interference Output of Television Receivers in the Range of 300 to 10,000 kc, Methods of Measurement (54 IRE 17.51)	.60
<b>C16.25a-1957</b> †Conducted Interference Output of Broadcast and Television Receivers in the Range of 300 kc to 25 mc, Methods of Measurement of the (Supplement to C16-25-1955) (56 IRE 27.51)	.50
<b>C16.26-1955</b> †Terms on Radio Aids to Navigation, Definitions of (54 IRE 12.51)	1.00

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	Price
<b>● C16 — Radio (Continued)</b>	
<b>C16.28-1956</b> †Pulse Quantities, Methods of Measurement of (56 IRE 15. S1) .....	.60
<b>C16.29-1957</b> †Gain, Amplification, Loss, Attenuation, and Amplitude-Frequency-Response, Methods of Measurement of (56 IRE 3.S1) .....	.80
<b>C16.30-1957</b> †Definitions of Terms on Facsimile (56 IRE 9.S1) .....	.60
●	
<b>C18.1-1954</b> Dry Cells and Batteries, Specifications for (NBS Circular C559) .....	.25
<b>C19.1-1943</b> Industrial Control Apparatus (AIEE 15-1944) .....	<i>Out of print</i>
<b>C29.1-1944</b> †Insulator Tests (AIEE 41-1944) .....	.80
<b>C29.2-1955</b> †Wet-Process Porcelain Insulators (Suspension Type) (EEI TDJ-52, NEMA 140-1952) .....	1.00
<b>C29.3-1955</b> †Wet-Process Porcelain Insulators (Spool Type) (EEI TDJ-53; NEMA 141-1952) ..	.50
<b>C29.4-1955</b> †Wet-Process Porcelain Insulators (Strain Type) (EEI TDJ-54, NEMA 142-1952) ..	.50
<b>C29.5-1955</b> †Wet-Process Porcelain Insulators (Low- and Medium-Voltage Pin Type) (EEI TDJ-55, NEMA 143-1952) .....	.50
<b>C29.6-1955</b> †Wet-Process Porcelain Insulators (High-Voltage Pin Type) (EEI TDJ-56, NEMA 144-1952) .....	.50
<b>C29.7-1955</b> †Wet-Process Porcelain Insulators (High-Voltage Line-Post Type) (EEI TDJ-57, NEMA 145-1952) .....	.50
<b>C29.8-1957</b> †Wet-Process Porcelain Insulators (Apparatus-Cap and Pin Type) (EEI TDJ-58; NEMA 146-1956) .....	<i>Out of print</i>
<b>C29.9-1957</b> †Wet-Process Porcelain Insulators (Apparatus-Post Type) (EEI TDJ-59; NEMA 147-1956) .....	<i>Out of print</i>
<b>C33.1-1957</b> Flexible Cord and Fixture Wire, Safety Standard for (UL 62) .....	.75
<b>C33.2-1956</b> Transformer-Type Arc-Welding Machines, Safety Standard for (UL 551) .....	.75
<b>C33.3-1957</b> Cord Sets and Power-Supply Cords, Safety Standard for (UL 817) .....	.50
<b>C33.4-1956</b> Specialty Transformers, Safety Standard for (UL 506) .....	1.00
<b>C33.5-1956</b> Wire Connectors and Soldering Lugs, Safety Standard for (UL 486) .....	.75
<b>C33.6-1957</b> Rubber-Covered Wires and Cables, Safety Standard for (UL 44) .....	.75
<b>C33.7-1957</b> Electrically Heated Pads and Bedding, Safety Standard for (UL 130) .....	.75
<b>C33.8-1957</b> Grounding and Bonding Equipment, Safety Standard for (UL 62) .....	1.25
<b>C34.1-1949</b> Pool Cathode Mercury-Arc Power Converters .....	1.20
<b>C35.1-1957</b> Rotating Electrical Machinery Forming a Part of the Power Equipment on Electrically Propelled Railway Cars, Railway Locomotives, and Coaches (Trolley and Prime Mover) (AIEE 11-1957) .....	☆

**● C37 — Power Switchgear:**

(20% discount will be allowed on the purchase of complete C37 series.)

<b>C37.1-1950</b> †Relays Associated with Electric Power Apparatus .....	.60
<b>C37.2-1956</b> †Automatic Station Control, Supervisory, and Associated Telemetering Equipments .....	1.30

	Price
<b>● C37 — Power Switchgear (Continued)</b>	
<b>C37.4-1953</b> †Alternating-Current Power Circuit Breakers .....	.60
<b>C37.4a-1954</b> †Apparatus Bushings (Used with Power Circuit Breakers and Outdoor Transformers), Electrical and Mechanical Characteristics of .....	.25
<b>C37.5-1953</b> †Rms Value of a Sinusoidal Current Wave and a Normal-Frequency Recovery Voltage, Methods for Determining the .....	.60
<b>C37.6-1957</b> †Preferred Ratings for Power Circuit Breakers, Schedules of .....	.35
<b>C37.7-1952</b> †Interrupting Rating Factors for Reclosing Service Power Circuit Breakers .....	.30
<b>C37.8-1952</b> †Rated Control Voltages and Their Ranges, for Power Circuit Breakers .....	.30
<b>C37.9-1953</b> †Test Code for Power Circuit Breakers ...	.60
<b>C37.11-1957</b> †Power Circuit Breaker Control .....	.80
<b>C37.12-1952</b> †Guide Specifications for Alternating-Current Power Circuit Breakers .....	.60
<b>C37.13-1954</b> †Low Voltage Air Circuit Breakers (Including Application Guide) .....	.80
<b>C37.14-1954</b> †Low Voltage Air Circuit Breakers, Test Code for .....	.50
<b>C37.15-1954</b> †Rated Control Voltages and Their Ranges for Low Voltage Air Circuit Breakers ..	.30
<b>C37.16-1956</b> †Schedules of Preferred Ratings for Alternating and Direct Current Low Voltage Air Circuit Breakers .....	.30
<b>C37.17-1956</b> †Preferred Pick-Up Calibrations and Trip Delay Settings for Alternating Current Low Voltage Air Circuit Breakers .....	.30
<b>C37.20-1955</b> Switchgear Assemblies and Metal-Enclosed Bus (AIEE 27) .....	.60

**● C39 — Electrical Measuring Instruments:**

<b>C39.1-1955</b> †Electrical Indicating Instruments .....	2.00
<b>C39.2-1953</b> †Direct-Acting Electrical Recording Instruments (Switchboard and Portable Types) ..	.75
<b>C39.3-1948</b> †Shock-Testing Mechanism for Electrical Indicating Instruments, Specifications for R1955 .....	.50
<b>C39.4-1956</b> †Automatic Null-Balancing Electrical Measuring Instruments, Specifications for ....	1.25

**● C40-1928 Storage Batteries (AIEE 36-1928) ... Out of print****● C42 — Definitions of Electrical Terms:**

<b>C42.10-1957</b> Rotating Machinery (Group 10) .....	1.20
<b>C42.20-1956</b> Switchgear (Group 20) .....	1.20
<b>C42.25-1956</b> Control Equipment (Group 25) .....	.80
<b>C42.30-1957</b> Instruments, Meters and Meter Testing (Group 30) .....	1.20
<b>C42.35-1957</b> Transmission and Distribution (Group 35) ..	1.20
<b>C42.40-1956</b> Transportation (Group 40) .....	☆
<b>C42.41-1956</b> Transportation—Air (Group 41) .....	☆
<b>C42.42-1956</b> Transportation—Land (Group 42) .....	☆
<b>C42.43-1956</b> Transportation—Marine (Group 43) .....	☆
<b>C42.50-1956</b> Electric Welding and Cutting (Group 50) ..	☆
<b>C42.55-1956</b> Illuminating Engineering (Group 55) .....	☆
<b>C42.60-1956</b> Electrochemistry and Electrometallurgy (Group 60) .....	.60
<b>C42.65-1957</b> Communications (Group 65) .....	☆
<b>C42.70-1956</b> Electron Devices (Group 70) .....	1.00

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	Price		Price
● C42 — Definitions of Electrical Terms (Continued)		● C57 — Transformers, Regulators, and Reactors (Continued)	
<b>C42.80-1957</b>	Electrobiology and including Electrotherapeutics (Group 80) ..... .60	<b>C57.12d-1957</b>	†Partial Revision of and Supplement to C57.12-1956 ..... 1.00
<b>C42.85-1956</b>	Mining (Group 85) ..... .60	<b>C57.12</b>	†Three-Phase Load-Tap Changing Transformers, Requirements for (Proposed American Standard) ..... 1.00
<b>C42.95-1957</b>	Miscellaneous (Group 95) ..... ☆	<b>C57.12</b>	Secondary Network Transformers, Subway and Vault Types (Liquid Immersed) (EEI 57-7; NEMA TR4-1957) (Proposed American Standard) ..... .80
<b>C48.1-1955</b>	Electric Control Apparatus for Land Transportation Vehicles (AIEE 16) .... .60	<b>C57.13-1954</b>	†Instrument Transformers, Requirements, Terminology, and Test Code for Revision of: C57.13-1948 ..... 2.50
● C50 — Rotating Electrical Machinery:			Editorial Consolidation with C57.23-1948 and pertinent portions of C57.10-1953 C57.11-1953
(20% discount will be allowed on the purchase of complete C50 series) (Special Binder \$2.00)		<b>C57.14-1948</b>	†Constant-Current Transformers of the Moving-Coil Type ..... Out of print
<b>C50.1-1955</b>	†Synchronous Generators, Synchronous Motors, and Synchronous Machines in General ..... 1.80	<b>C57.15-1949</b>	†Step-Voltage and Induction-Voltage Regulators, Requirements, Terminology, and Test Code for Editorial Consolidation with C57.25-1949 and pertinent portions of C57.10-1953 C57.11-1953 ..... 2.00
<b>C50.2-1955</b>	†Alternating-Current Induction Motors, Induction Machines in General, and Universal Motors ..... 1.30	<b>C57.16-1956</b>	†Current-Limiting Reactors, Requirements, Terminology, and Test Code for Revision of: C57.16-1948 ..... 1.50
<b>C50.4-1955</b>	†Direct-Current Generators, Direct-Current Motors, and Direct-Current Commutating Machines in General ..... 1.50		Editorial Consolidation with C57.10-1953 C57.11-1953
<b>C50.5-1955</b>	†Rotating Exciters for Synchronous Machines ..... .80	<b>C57.18-1948</b>	†Rectifier Transformer Equipment ..... Out of Print
<b>C50.6-1955</b>	†Motor-Generator Sets ..... .50	<b>C57.28-1948</b>	†Rectifier Transformer Equipment, Test Code for ..... Out of print
<b>C50.8-1955</b>	†Dimensions for Motors and Generators .. 1.00	<b>*C57.31</b>	†Operation of Transformers, Regulators, and Reactors at Altitudes Greater than 3300 Feet (1000 Meters), Guide for ..... Out of print
<b>C50.20-1954</b>	†Polyphase Induction Motors and Generators, Test Code for ..... .80	<b>*C57.33</b>	†Loading and Operation of Instrument Transformers, Guide for ..... Out of print
<b>C52.3-1945</b>	†Straight and Offset Resistance-Welding Electrodes and Electrode Holders (American War Standard) ..... .50	<b>*C57.34</b>	†Loading Pole-Type Constant-Current Transformers, Guide for ..... Out of print
<b>C52.4-1945</b>	†Controls for Resistance-Welding Machines (American War Standard) ..... .35	<b>*C57.36</b>	†Loading Current-Limiting Reactors, Guide for ..... Out of Print
<b>C52.5-1945</b>	†Specifications for Resistance-Welding Machines (American War Standard) ..... .75	<b>C57.92</b>	†Guide for Loading Oil-Immersed Distribution and Power Transformers (Not an American Standard) Appendix to C57.12-1956 ..... 1.25
<b>C55.1-1951</b>	Capacitors, Standards for (AIEE 18-1951) .. 40	<b>C57.93</b>	†Guide for the Care and Maintenance of Oil-Immersed Transformers (NEMA TR5-1956) ..... ☆
● C57 — Transformers, Regulators, and Reactors:			
(20% discount will be allowed on the purchase of complete C57 series) (Special Binder \$2.75)			
<b>C57.10-1953</b>	†Transformers, Regulators, and Reactors, Terminology for ..... Out of print		
<b>C57.11-1953</b>	†Transformers, Regulators, and Reactors, General Requirements for ..... Out of print		
<b>C57.12-1956</b>	†Distribution, Power, and Regulating Transformers and Reactors Other Than Current-Limiting Reactors, Requirements, Terminology, and Test Code for Revision of: C57.12-1949 C57.12a-1954 C57.22-1948 ..... 6.50		
	Editorial Consolidation with C57.12b-1954 and pertinent portions of C57.10-1953 C57.11-1953		
	Includes: C57.12c-1957 (Also sold separately) (Section 20) C57.12d-1957 (Also sold separately)		
<b>C57.12c-1957</b>	†Overhead-Type Distribution Transformers, Requirements for (Supplement to C57.12-1956) ..... 2.00		

\* Withdrawn; in accordance with ASA C57 Committee action, officially approved by ASA on August 20, 1953, the words "American Standard" were removed from the titles of the guides. They now have the status of an appendix to the C57 standards as a source of engineering information.

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	Price		Price
● C57 — Transformers, Regulators, and Reactors (Continued)		● C59 — Electrical Insulation Materials (Continued)	
C57.94	†Guide for Operation and Maintenance of Dry-Type Transformers (AIEE 53) . . . ☆	C59.26-1954	Natural Block Mica and Mica Films Suitable for Use in Fixed Mica-Dielectric Capacitors, Specifications for (ASTM D748-52T) . . . . . .30
C57.95	†Guide for Loading Oil-Immersed Step-Voltage and Induction-Voltage Regulators (Not an American Standard) Appendix to C57.15-1949 . . . . . 1.00	C59.27-1955	Natural Muscovite Mica Based on Visual Quality, Specifications for (ASTM D351-53T) . . . . . .30
● C59 — Electrical Insulation Materials:		C59.28-1955	Conditioning Plastics and Electrical Insulating Materials for Testing, Methods of (ASTM D618-54) . . . . . .30
C59.1-1955	Testing Molded Materials Used for Electrical Insulation, Methods of (ASTM D48-54T) . . . . . .30	C59.29-1956	Vulcanized Fiber Sheets, Rods, and Tubes Used for Electrical Insulation, Specifications for (ASTM D710-54T) . . . . . .30
C59.2-1955	Testing Electrical Insulating Oils, Method of (ASTM D117-54T) . . . . . .30	● C60 — Electron Tubes:	
C59.3-1955	Insulation Resistance of Electrical Insulating Materials, Methods of Test for (ASTM D257-54T) . . . . . .30	C60.1-1956	†Electron Tube Bases, Caps, and Terminals (NEMA 500-D; RETMA ET-103-D) . . . 1.10
C59.4-1935 R1945	Rubber Matting for Use Around Electrical Apparatus (Voltage Rating of Matting, 3000 Volts), Specifications for (ASTM D178-24) . . . . . .30	C60.2-1956	†Dimensional Characteristics of Electron Tubes (NEMA 502-C; RETMA ET-105-C) .50
C59.6-1952	Rubber Insulating Tape, Specifications for (ASTM D119-48T) . . . . . .30	C60.4-1950	†Designation System for Metal Electron Tube Shells (RETMA ET-112; NEMA 508) . . . . . .35
C59.10-1941 R1954	Testing Molding Powders Used in Manufacturing Molded Electrical Insulators, Methods of (ASTM D392-38) . . . . . .30	C60.5-1952	†Electron Tubes, Methods of Testing (50 IRE 7.52) . . . . . 1.25
C59.11-1955	Impact Resistance of Plastics and Electrical Insulating Materials, Methods of Test for (ASTM D256-56) . . . . . .30	C60.6-1952	†Direct Interelectrode Capacitance, Measurement of (RETMA ET-109-A; NEMA 505-A) . . . . . .80
C59.13-1951	Testing Sheet and Plate Materials Used in Electrical Insulation, Methods of (ASTM D229-49) . . . . . .30	C60.7-1956	†Gages for Electron Tubes Bases (NEMA 503-C; RETMA ET-106-C) . . . . . .65
C59.14-1954	Testing Laminated Tubes Used in Electrical Insulation, Methods of (ASTM D348-52) . . . . . .30	C60.8-1952	†Interelement Capacitances, Rating Values of (RETMA ET-114; NEMA 510) . . . . .15
C59.15-1954	Testing Laminated Round Rods Used in Electrical Insulation, Methods of (ASTM D349-52) . . . . . .30	C60.11-1954	†Gas Filled Radiation Counter Tubes, Methods of Testing (52 IRE 7.52) . . . . . .75
C59.16-1956	Laminated Thermosetting Materials, Specifications for (ASTM D709-55T) . . . . .50	C60.13-1954	†Noise in Electron Devices, Methods of Measuring (53 IRE 7.51) . . . . . .75
C59.17-1949	Fabricating Laminated Plastics, Practice for (NEMA 45-107) . . . . . .25	●	
C59.18-1954	Testing Shellac Used for Electrical Insulation, Methods of (ASTM D411-52) . . . . .30	C62.1-1957	Lightning Arresters for Alternating-Current Power Circuits (AIEE 28) . . . . . .60
C59.19-1952	Dielectric Strength of Insulating Oils of Petroleum Origin, Method of Test for (ASTM D877-49) . . . . . .30	C63.1-1946	†Radio Interference of Electrical Components and Completed Assemblies of Electrical Equipment for the Armed Forces from 150 Kilocycles to 20 Megacycles, Method of Measuring (American War Standard) (JAN-1-225) . . . . . <i>Gratis</i>
C59.20-1952	Vulcanized Fiber (NEMA Vul-1949), <i>Out of print</i>	C63.2	Radio Noise Meter, 0.015 to 25 Megacycles/Second, Specifications for (RETMA 32-A; NEMA 102-1950) (Proposed American Standard; published for trial and criticism) . . . . . .65
C59.21-1951	Sampling Electrical Insulating Oils, Method for (ASTM D923-49) . . . . . .30	C63.3	Radio Noise and Field Intensity Meters, 20 to 1000 Megacycles/Second, Specifications for (NEMA 131-1952; RETMA 41) (Proposed American Standard; published for trial and criticism) . . . . . .60
C59.22-1951	Power Factor and Dielectric Constant of Electrical Insulating Oils of Petroleum Origin, Method of Test for (ASTM D924-49) . . . . . .30	C64.1-1956	Brushes for Electrical Machines (Carbon, Carbon-Graphite, Electrographitic, Graphite, and Metal-Graphite Brushes), Requirements for (NEMA CB1-1956) . . . . 2.00
C59.23-1951	Gas Content of Insulating Oils, Methods of Test for (ASTM D831-48) . . . . . .30	C65.1-1954	Power-Operated Radio Receiving Appliances, Safety Standard for . . . . . <i>Out of print</i>
C59.24-1951	Inorganic Chlorides and Sulfates in Insulating Oils, Method of Test for (ASTM D878-49) . . . . . .30	C67.1-1951	†Preferred Nominal Voltages, 100 Volts and Under . . . . . .25
C59.25-1951	Detection of Free Sulphur in Electrical Insulating Oils, Method of Test for (ASTM D989-51) . . . . . .30	C68.1-1953	Measurement of Test Voltage in Dielectric Tests (AIEE 4-1953) . . . . . .80

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	Price
<b>C70.1-1953</b> Household Automatic Electric Flatirons (NEMA DA1-1954) .....	1.00
<b>C71.1-1950</b> Household Electric Ranges (NEMA ER1-1950) .....	.90
<b>C72.1-1949</b> Household Automatic Electric Storage-Type Water Heaters (NEMA WH1-1949) .....	.90
<b>C73.1-1957</b> Outlet Receptacles, Attachment Plug Caps and Appliance Plugs (NEMA WD1-1956) .....	☆
<b>C76.1-1943</b> Apparatus Bushings and Test Code for Apparatus Bushings (AIEE 21-1942) .....	.60
<b>C77.1-1943</b> Wet Tests (AIEE 29-1941) .....	.40
<b>R1953</b>	
● C78 — Incandescent Lamps:	
(20% discount will be allowed on the purchase of complete series) (Binder \$2.00)	
<b>C78.100-1956</b> †General Service for 115-, 120-, and 125-Volt Circuits .....	.25
<b>C78.101-1956</b> †General Service for 230- and 250-Volt Circuits .....	.25
<b>C78.102-1949</b> †Train, Locomotive, and Country Home Service 30-34 and 60-64 Volts .....	.25
<b>R1953</b>	
<b>C78.103-1949</b> †Street Railway Service .....	.25
<b>R1953</b>	
<b>C78.105-1957</b> †Spotlight and Floodlight Service 115, 120, and 125 Volts .....	.25
<b>C78.106-1953</b> †Infrared Lamps for 115-125 Volt Service ..	.25
<b>C78.107-1953</b> †Projector and Reflector Spotlight and Floodlight Lamps 115, 120, and 125 Volts .....	.25
<b>C78.109-1949</b> †Street Series Service .....	.25
<b>R1953</b>	
<b>C78.140-1956</b> †Miniature Incandescent Lamps .....	.35
<b>C78.200-1949</b> †S-6 Bulb, Candelabra Screw Base and C-7 Bulb, Candelabra Screw Base .....	.25
<b>R1953</b>	
<b>C78.201-1949</b> †S-11 Bulb, Medium Screw Base .....	.25
<b>R1953</b>	
<b>C78.202-1949</b> †S-11 Bulb, Intermediate Screw Base .....	.25
<b>R1953</b>	
<b>C78.203-1949</b> †S-14 Bulb, Medium Screw Base .....	.25
<b>R1953</b>	
<b>C78.204-1949</b> †A-15 Bulb, Medium Screw Base .....	.25
<b>R1953</b>	
<b>C78.205-1949</b> †A-17 Bulb, Medium Screw Base .....	.25
<b>R1953</b>	
<b>C78.206-1949</b> †A-19 Bulb, Medium Screw Base (Over-all Length: Max $3\frac{1}{8}$ Inches, Min $3\frac{1}{16}$ Inches) .....	.25
<b>R1953</b>	
<b>C78.207-1949</b> †T-6½ Bulb, Intermediate Screw Base ....	.25
<b>R1953</b>	
<b>C78.208-1949</b> †T-10 Bulb, Medium Screw Base .....	.25
<b>R1953</b>	
<b>C78.209-1949</b> †T-10 Reflector Bulb, Medium Screw Base ..	.25
<b>R1953</b>	
<b>C78.210-1949</b> †A-19 Bulb, Medium Screw Base (Over-all Length: Max $4\frac{1}{4}$ Inches, Min $3\frac{7}{8}$ Inches) .....	.25
<b>R1953</b>	
<b>C78.211-1949</b> †A-19 Bulb, Medium Screw Base (Over-all Length: Max $4\frac{1}{2}$ Inches, Min $4\frac{1}{8}$ Inches) .....	.25
<b>R1953</b>	
<b>C78.212-1949</b> †T-8 Bulb, Medium Screw Base .....	.25
<b>R1953</b>	
<b>C78.213-1949</b> †PS-25 Bulb, Three-Contact Medium Screw Base .....	.25
<b>R1953</b>	
<b>C78.214-1949</b> †PS-25 Bulb, Three-Contact Mogul Screw Base .....	.25
<b>R1953</b>	

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## ● C78 — Incandescent Lamps (Continued)

	Price
<b>C78.215-1949</b> †A-21 Bulb, Medium Screw Base (Over-all Length: Max $4\frac{1}{2}$ Inches, Min $4\frac{1}{8}$ Inches) .....	.25
<b>R1953</b>	
<b>C78.216-1949</b> †A-21 Bulb, Medium Screw Base (Over-all Length: Max $5\frac{1}{8}$ Inches, Min $4\frac{1}{8}$ Inches) .....	.25
<b>R1953</b>	
<b>C78.217-1949</b> †A-21 Bulb, Medium Screw Base (Over-all Length: Max $4\frac{1}{2}$ Inches, Min $4\frac{1}{8}$ Inches) .....	.25
<b>R1953</b>	
<b>C78.218-1949</b> †A-23 Bulb, Medium Screw Base .....	.25
<b>R1953</b>	
<b>C78.219-1949</b> †G-30 Bulb, Three-Contact Mogul Screw Base .....	.25
<b>R1953</b>	
<b>C78.220-1949</b> †PS-25 Bulb, Medium Screw Base .....	.25
<b>R1953</b>	
<b>C78.221-1949</b> †PS-30 Bulb, Medium Screw Base .....	.25
<b>R1953</b>	
<b>C78.223-1949</b> †PS-35 Bulb, Mogul Screw Base .....	.25
<b>R1953</b>	
<b>C78.224-1949</b> †PS-40 Bulb, Mogul Screw Base .....	.25
<b>R1953</b>	
<b>C78.225-1949</b> †PS-52 Bulb, Mogul Screw Base .....	.25
<b>R1953</b>	
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(20% discount will be allowed on the purchase of complete series) (Binder \$2.00)

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<b>K60.8-1949</b>	Compound Chip Soap (with Rosin), Specifications for (ASTM D690-48) .....	.30
<b>K60.9-1949</b>	Compound Powdered Soap (Granulated, with Rosin), Specifications for (ASTM D691-44) .....	.30
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<b>K62.8-1957</b> †1-n-butyl-3-(3,4-dichlorophenyl)-1-methylurea; neburon .....	.25
<b>K62.9-1957</b> †2,2-dichloropropionic acid; dalapon .....	.25
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#### L — Textile Industry

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<b>L14.11-1956</b> †Evaluation of Ordinary Wetting Agents (AATCC 17-52) .....	.60
<b>L14.12-1957</b> Terms Relating to Textile Materials, Definitions of (ASTM D 123-55) .....	.60
<b>L14.13-1956</b> Testing and Tolerances for Cotton Yarns, Methods of (ASTM D180-54T) .....	.30
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<b>L14.18-1953</b> Asbestos Yarns, Specifications and Methods of Test for (ASTM D299-52T) ....	.30
<b>L14.19-1949</b> Determining Relative Humidity, Method of (ASTM D337-34) .....	.30
<b>L14.20-1949</b> Holland Cloth, Methods of Test for (ASTM D376-35) .....	.30
<b>L14.25-1949</b> Testing Pile Floor Covering, Methods of (ASTM D418-42) .....	.30
<b>L14.26-1957</b> Fineness of Wool, Methods of Test for (ASTM D419-55T) .....	.30
<b>L14.27-1949</b> Testing and Tolerances for Certain Carded Cotton Gray Goods, Methods of (ASTM D433-39) .....	.30
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<b>L14.29-1957</b> Fineness of Wool Tops, Specifications and Methods of Test for (ASTM D472-56) ..	.30
<b>L14.32-1957</b> Fiber Length of Wool Tops, Method of Test for (ASTM D519-55T) .....	.30
<b>L14.33-1949</b> Testing Rayon and Estro Staple, Methods of (ASTM D540-44) .....	.30
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L14.41-1953 Testing Asbestos Tubular Sleeveing, Methods of (ASTM D628-52) .....	.30
L14.42-1949 Testing and Tolerances for Certain Fine Staple Cotton Gray Goods, Methods of (ASTM D679-44) .....	.30
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L14.45-1953 Testing and Tolerances for Rope made from Bast and Leaf Fibers, Methods of (ASTM D738-52) .....	.30
L14.46-1953 Testing and Tolerances for Spun, Twisted, or Braided Products Made from Flax, Hemp, Ramie, or Mixtures Thereof, Methods of (ASTM D739-52) .....	.30
L14.47-1949 Compatibility of Glass Yarn with Insulating Varnish, Method of Test for (ASTM D886-46T) .....	.30
L14.48-1953 Designation of Linear Density of Fibers, Yarns, and Other Textile Materials in Universal Units, Practice for (ASTM D861-52) .....	.30
L14.49-1949 Test for Small Amounts of Copper and Manganese in Textiles, Method of (ASTM D377-52T) .....	.30
L14.50-1949 Cotton Goods for Rubber and Pyroxylin Coating, Specifications and Methods of Test for (ASTM D334-40) .....	.30
L14.51-1949 Air Permeability of Textile Fabrics, Methods of Test for (ASTM D737-46) .....	.30
L14.52-1955 Testing Felt, Methods of (ASTM D461-53) .....	.30
L14.53-1951 †Colorfastness to Light (AATCC 16-45) .....	Out of print
L14.54-1951 †Colorfastness of Acetate Rayons to Atmospheric Fumes (AATCC 23-46) .....	Out of print
L14.55-1951 †Resistance of Textiles to Mildew and Rot, and Evaluation of Textile Fungicides (AATCC 30-46) .....	Out of print
L14.56-1956 †Colorfastness to Perspiration (AATCC 15-52) .....	Out of print
L14.57-1956 †Colorfastness to Chlorine Bleaching (Cotton) (AATCC 3-52) .....	Out of print
L14.58-1951 †Colorfastness to Peroxide Bleaching (Cotton) (AATCC 29-52) .....	Out of print
L14.59-1956 Resistance to Water Penetration (Hydrostatic Pressure Test) (Contained in ASTM D583-54; AATCC 18-52) .....	☆
L14.60-1956 †Resistance to Wetting (Spray Test) (Contained in ASTM D583-54; AATCC 22-52) .....	☆
L14.61-1956 Resistance to Wetting (Static Immersion Absorption Test) (Contained in ASTM D584-54; AATCC 21-52) .....	☆

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L14.64-1951 †Resistance of Textile Fabrics and Yarns to Insect Pests (AATCC 24-49) .....	Out of print
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L14.66-1954 Textile Testing Machines, Specifications for (ASTM D76-53) .....	.30
L14.67-1951 Testing and Tolerances for Knit Goods, Methods of (ASTM D231-46) .....	.30
L14.68-1951 Testing Woven Textile Fabrics, General Methods of (ASTM D39-49) .....	.30
L14.69-1952 †Flammability of Clothing Textiles, Test Method for (AATCC 33-52; ASTM D1230-52T) .....	.50
L14.70-1956 Colorfastness to Mill Washing (Silk) (AATCC 4-52) .....	.30
L14.71-1956 Colorfastness to Dry and Wet Heat (AATCC 5-52) .....	.30
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L14.73-1956 Detection of Phototropism (AATCC 32-52) .....	.30
L14.74-1956 Resistance to Water Penetration (Rain Test) (Contained in ASTM D583-54; AATCC 35-52) .....	☆
L14.75-1956 Evaluation of Textiles for Wettability (AATCC 39-52) .....	.30
L14.76-1956 Dimensional Changes in Textile Fabrics (Other than Cotton and Linen) (AATCC 40-52) .....	.30
L14.77-1956 Dimensional Changes in Textile Fabrics (Wool: Accelerated Test) (AATCC 41-52) ..	.30
L14.78-1956 Resistance to Water Penetration (Impact Penetration Test) (Contained in ASTM D583-54; AATCC 42-52) .....	☆
L14.79-1956 Evaluation of Penetrants for Mercerization (AATCC 43-52) .....	.30
L14.80-1956 Colorfastness to Mercerizing (AATCC 51-52) ..	.30
L14.81-1956 Accelerated Washfastness Test Nos. IIA, IIIA, and IVA (Cotton) (AATCC 61-54) ..	.60
L14.82-1956 Evaluation of the Resistance of Wool Oils to Oxidation in Storage (AATCC 62-52) ..	.30
L14.83-1956 Colorfastness to Water (AATCC 63-52) ..	.30
L14.84-1956 Evaluation of Continuous Scouring of Raw Grease Wool (AATCC 64-52) .....	.60
L14.85-1956 Evaluation of the Snag Resistance of Hosiery (AATCC 65-54; ASTM D1115-54T) .....	.30
L14.86-1956 Damage Caused by Retained Chlorine (AATCC 69-52) .....	.30
L14.87-1956 Resistance to Wetting (Dynamic Immersion Absorption Test) (Contained in ASTM D583-54; AATCC 70-52) .....	☆
L14.88-1956 Wool Hose: Accelerated Shrinkage Test (AATCC 73-53) .....	.30
L14.89-1956 Relaxation and Felting Shrinkage of Wool Knit Fabrics (except hose) Accelerated Test (AATCC 74-53; ASTM D1284-53T) ..	.30
●L17 — Specifications for Women's Industrial Clothing (American War Standards):	
L17.1-1944 †Bungalow, Aprons, and Wrap-around and Coat Style Dresses .....	.50

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●L17 — Women's Industrial Clothing ( <i>Continued</i> )	
L17.2-1944 †Slacks, Dungarees, Overalls, and Coveralls	.50
L17.3-1944 †Jackets, Shirts, and Aprons	.50
L17.4-1944 †Regular and Princess Model Coat Style Dresses	.35

●L18 — Specifications for Protective Occupational (Safety) Clothing (American War Standards):

L18.1-1944 †Leather Aprons	
L18.2-1944 †Cape-Sleeves and Bibs	
L18.3-1944 †Knee-Length Leggings	
L18.4-1944 †Leather Coats	
L18.5-1944 †Leather Overalls	
L18.6-1944 †Leather Sleeves	
L18.7-1944 †Welders' Leather Gauntlet Gloves	
L18.8-1944 †Protective Leather Gloves, Steel-Stapled	
L18.9-1944 †Asbestos Gloves	
L18.10-1944 †Asbestos Gloves, Leather Reinforced	
L18.11-1944 †Asbestos Mittens	
L18.12-1944 †Asbestos Mittens, Leather Reinforced	
L18.14-1944 †Asbestos Aprons (Bib Type)	
L18.15-1944 †Asbestos Cape Sleeves and Bibs	
L18.16-1944 †Asbestos Leggings (Knee and Hip Length)	
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L18.19-1945 †Leather Mittens	
L18.20-1945 †Asbestos One-Finger Mittens	
L18.21-1945 †Flame-Resistant Fabric Aprons (Bib Type)	
L18.22-1945 †Flame-Resistant Fabric Leggings (Knee and Hip Length)	
L18.23-1945 †Flame-Resistant Fabric Coats	
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L18.25-1945 †Flame-Resistant Fabric Coveralls	
L18.26-1945 †Flame-Resistant Fabric Spats	
L18.27-1945 †Leather Spats	
L18.28-1945 †Asbestos Spats	
L18.29-1945 †Chemical-Resistant Gloves	.35

Out of print

●L22 — Rayon and Acetate Fabrics, Minimum Requirements:

(Complete Set, Bound, . . . . \$4.25)

L22.1.1- through L22.1.24-1952	
Part I, Women's and Girls' Rayon and Acetate Wearing-Apparel Fabrics	1.00
(Part I and Test Methods	\$.30)
L22.2.1- through L22.2.16-1952	
Part II, Men's and Boys' Rayon and Acetate Wearing-Apparel Fabrics	.80
(Part II and Test Methods	\$.28)
L22.3.1- through L22.3.11-1952	
Part III, Rayon and Acetate Home-Furnishings Fabrics	.65
(Part III and Test Methods	\$.265)
Part IV, Test Methods used in conjunction with L22 Standards	2.25

	Price
●L24 — Institutional Textiles, Minimum Performance Requirements for:	
(Complete Set, Bound, . . . . \$6.25)	
L24.1.1- through L24.1.7-1955	
Part I, Institutional Furnishings	.65
L24.2.1- through L24.2.11-1955	
Part II, Utility Textiles	.90
(including L4.1-1948)	
L24.3.1- through L24.3.7-1955	
Part III, Uniforms	.90
(including L22.1.4-, L22.1.6-, and L22.2.7-1952)	
L24.4.1- through L24.4.11-1955	
Part IV, Work Clothes	.90
L24.5.1-1955	
Permanent Labels, Detachable Tags and Certification of Fabrics or Products, . .	.25
Part V, Test Methods	2.75

M — Mining

M2.1-1951	Installing and Using Electrical Equipment in Coal Mines, Safety Rules for (BMTF 402)	.25
M5-1932	Screen Testing of Ores (Hand Method), Methods for	.25
M6.1-1955	Drainage of Coal Mines, Recommended Practice for, (Bureau of Mines Bulletin 570)	.75
M7.1-1933	Frogs, Switches, and Turnouts for Coal Mine Tracks (Drawings for Light Rail Turnouts)	.75
M7.2-1935	Frogs, Switches, and Turnouts for Coal Mine Tracks (Drawings for Heavy Rail Turnouts)	
M11-1927	Wire Rope for Mines	Out of print
M12.1-1946	†Construction and Maintenance of Ladders and Stairs for Mines	.35
M13-1925	†Rock-Dusting Coal Mines to Prevent Coal Dust Explosions	.25
M14-1930	†Explosives in Bituminous Coal Mines, Use of	.35
M15-1931	†Coal Mine Transportation, Safety Code for	.35
M18-1928	†Underground Transportation in Metal Mines	Gratis
M20.1-1938	Classification of Coals by Rank, Specifications for (ASTM D388-38)	.30
M20.2-1937	Classification of Coals by Grade, Specifications for (ASTM D389-37)	.30
M20.3-1944	Designating the Size of Coal from Its Screen Analysis, Method for (ASTM D431-44)	.30
M20.4-1939	Commercial Varieties of Bituminous and Subbituminous Coals, Definitions for (ASTM D493-39)	.30
M24-1932	†Installing and Using Electrical Equipment in Metal Mines, Safety Rules for	Out of print
M28.1-1955	†Safety Procedures for Quarries	1.50
M30.1-1957	Roof Bolting Materials in Coal Mines, Specifications for	.50

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<b>N — Nuclear</b>		
<b>N1.1-1957</b>	Nuclear Science and Technology, Glossary of Terms in .....	5.00
<b>O — Wood Industry</b>		
<b>O1.1-1954</b>	†Woodworking Machinery, Safety Code for .....	1.00
<b>O4a-1927</b>	Testing Small Clear Specimens of Timber, Methods of (ASTM D143-27) .....	.30
<b>O4b-1927</b>	Static Tests of Timbers in Structural Sizes, Methods of (ASTM D198-27) .....	.30
<b>O5.1-1948</b>	†Wood Poles, Specifications and Dimensions for .....	.75
<b>O6-1939</b>	Round Timber Piles, Specifications for (ASTM D25-37) .....	.30

**P — Pulp and Paper Industry**

<b>P1.1-1956</b>	†Paper and Pulp Mills, Safety Code for ...	1.00
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**PH — Photography and Motion Pictures****● PH1 — Characteristics of Photographic Films, Plates, and Papers:**

(20% discount will be allowed on the purchase of complete PH1 Series) (Binder \$2.00)

<b>PH1.1-1953</b>	†Designation for Thickness of Photographic Paper (Revision of Z38.1.44-1944) .....	.25
<b>PH1.2-1952</b>	†5¼ x 2½-Inch Aerial Film Spools, Dimensions for (Revision of Z38.1.32-1945) .....	.25
<b>PH1.3-1952</b>	†5½ x 2¾-Inch Aerial Film Spools, Dimensions for (Revision of Z38.1.33-1945) .....	.25
<b>PH1.4-1952</b>	†7 x 1⅞-Inch Aerial Film Spools, Dimensions for (Revision of Z38.1.34-1945) ...	.25
<b>PH1.5-1952</b>	†7 x 2¾-Inch Aerial Film Spools, Dimensions for (Revision of Z38.1.36-1945) ...	.25
<b>PH1.6-1952</b>	†7 x 4¾-Inch Aerial Film Spools, Dimensions for (Revision of Z38.1.37-1945) ...	.25
<b>PH1.7-1952</b>	†9½ x 4-Inch Aerial Film Spools, Dimensions for (Revision of Z38.1.38-1945) ...	.25
<b>PH1.8-1952</b>	†9½ x 5⅞-Inch Aerial Film Spools, Dimensions for (Revision of Z38.1.39-1945) .....	.25
<b>PH1.9-1952</b>	†9½ x 6¾-Inch Aerial Film Spools, Dimensions for (Revision of Z38.1.40-1945) ...	.25
<b>PH1.10-1952</b>	†Roll Film and Unsensitized Leaders and Trailers for Aerial Photography, Dimensions for (Revision of Z38.1.41-1944) ...	.25
<b>PH1.11-1953</b>	†Photographic Paper Rolls, Dimensions for (Revision of Z38.1.5-1943 and Partial Revision of Z38.1.6-1943) .....	.25
<b>PH1.12-1953</b>	†Photographic Paper Sheets, Dimensions for (Revision of Z38.1.43-1947 and Partial Revision of Z38.1.6-1943) .....	.25
<b>PH1.13-1953</b>	†Dimensions for Molded-Type Cores for Photographic Film and Paper Rolls (Revision of Z38.1.48-1947) .....	.25
<b>PH1.14-1953</b>	†35-Millimeter Film Magazines for Still Picture Cameras, Dimensions for (Revision of Z38.1.47-1946) .....	.25

ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

		Price
<b>● Photographic Films, Plates, and Papers (Continued)</b>		
<b>PH1.15-1953</b>	†Industrial X-ray Sheet Film (Inch Sizes), Dimensions for (Revision of Z38.1.25-1947) .....	.25
<b>PH1.16-1953</b>	†Graphic Arts Sheet Film (Inch Sizes), Dimensions for (Revision of Z38.1.26-1947) .....	.25
<b>PH1.17-1956</b>	†Medical X-ray Sheet Film (Inch and Centimeter Sizes), Dimensions for .....	.25
<b>PH1.18-1956</b>	†Professional Portrait and Commercial Sheet Film (Inch and Centimeter Sizes), Dimensions for (Revision of PH1.18-1953 and Z38.1.29-1949) .....	.25
<b>PH1.19-1944</b> R1952	†Emulsion Side of Photographic Sheet Films, Designation of .....	.25
<b>PH1.20-1956</b>	†70-Millimeter Unperforated and Perforated Film for Cameras other than Motion Picture Cameras (Revision of Z38.1.3-1948) .....	.25
<b>PH1.21-1956</b>	†Amateur Roll Film, Backing Paper, and Film Spools (Revision of Z38.1.7-1950) ..	1.50
<b>PH1.23-1956</b>	†Photographic Dry Plates, (Inch and Centimeter Sizes) Dimensions for (Revision of Z38.1.30-1951 and Z38.1.31-1944) .....	.25
<b>PH1.24-1955</b>	†35-Millimeter Slide Film Projection Rolls (Revision of Z38.3.3-1946) .....	.25
<b>PH1.25-1956</b>	†Safety Photographic Film, Specifications for (Revision of Z38.3.1-1943) .....	.50
<b>PH1.26-1956</b>	†Film Packs, Dimensions for (Revision of Z38.1.1-1951) .....	.25
<b>PH1.27-1956</b>	†Spooling Photographic Paper for Recording Instruments, Requirements for .....	.25
These Z38 numbers will be changed to PH1 as the standards are revised or reaffirmed.		
<b>Z38.1.49-1951</b>	†35-Millimeter Magazine Film (for Miniature Cameras), Dimensions for .....	.25
<b>Z38.1.52-1951</b>	†16-Millimeter 100-Foot Film Spool for Recording Instruments and Still Picture Cameras, Dimensions for .....	.25
<b>Z38.1.53-1951</b>	†16-Millimeter 200-Foot Film Spool for Recording Instruments and Still Picture Cameras), Dimensions for .....	.25
<b>Z38.1.54-1951</b>	†35-Millimeter 100-Foot Film Spool for Recording Instruments and Still Picture Cameras, Dimensions for .....	.25
<b>Z38.1.55-1951</b>	†70-Millimeter 100-Foot Film Spool for Recording Instruments and Still Picture Cameras, Dimensions for .....	.25
<b>Z38.3.2-1945</b>	†Films for Permanent Records, Specifications for .....	.50
<b>● PH2 — Photographic Sensitometry</b>		
(20% discount will be allowed on the purchase of complete PH2 series) (Binder \$2.00)		
<b>PH2.1-1952</b>	†Spectral Diffuse Densities of Three-Component Subtractive Color Films .....	.35
<b>PH2.2-1953</b>	†Sensitometry and Grading of Photographic Papers .....	.50
<b>PH2.3-1956</b>	†Activity or the Relative Photographic Effectiveness of Illuminants, Method for Determining the .....	.50
<b>PH2.4-1953</b>	†Exposure Guide Numbers for Photographic Lamps, Method for Determining .....	.50

### ● Photographic Sensitometry (Continued)

	Price
<b>PH2.5-1954</b> †Photographic Speed and Exposure Index, Method for Determining .....	.50
<b>PH2.6-1954</b> †Spectral-Sensitivity Indexes and Group Numbers for Photographic Emulsions, Methods of Determining .....	.75
<b>PH2.7-1955</b> †Photographic Exposure Computer (Special quantity discounts apply) .....	1.50
<b>PH2.8-1956</b> †Sensitometry of Industrial X-ray Films for Energies up to 2 Million Electron Volts, Method for the .....	1.00
<b>PH2.9-1956</b> †Sensitometry of Medical X-ray Films, Method for the .....	1.00
<b>PH2.10-1956</b> †Evaluating Films for Monitoring X-rays and Gamma Rays Having Energies up to 2 Million Electron Volts, Method for ....	.75
<b>PH2.12-1957</b> †General-Purpose Photographic Exposure Meters (Revision of Z38.2.6-1948) .....	.50

### ● Photographic Sensitometry (Continued)

The numbers of the following three standards will be changed to PH2 as the standards are revised or reaffirmed.

<b>Z38.2.5-1946</b> †Diffuse Transmission Density .....	1.25
<b>Z38.8.13-1950</b> †Safety Time of Photographic Dark-room Illumination, Procedure for Determining the .....	.25
<b>Z52.43-1944</b> Photographic Flash Lamps, including Supplement Z52.43a (Federal Specification W-L-122 and Supplement) (American War Standard) .....	Out of print

### ● PH3 — Photographic Apparatus:

(20% discount will be allowed on the purchase of complete PH3 series) (Binder \$2.00)

<b>PH3.1-1952</b> †Back Window Location for Roll Film Cameras .....	.25
<b>PH3.2-1952</b> †Performance Characteristics of Focal-Plane Shutters Used in Still Picture Cameras, Method for Determining .....	.35
<b>PH3.3-1952</b> †Exposure-Time Markings for Focal-Plane Shutters Used in Still Picture Cameras, ..	.25
<b>PH3.4-1952</b> †Performance Characteristics of Between-the-Lens Shutters Used in Still Picture Cameras, Method for Determining ....	.35
<b>PH3.5-1952</b> †Exposure-Time Markings for Between-the-Lens Shutters Used in Still Picture Cameras .....	.25
<b>PH3.6-1952</b> †Tripod Connections for American Cameras, 1/4-Inch-20 Thread (Revision of Z38.4.1-1942) .....	.25
<b>PH3.7-1952</b> †Tripod Connections for Heavy-Duty or European Cameras, 3/4-Inch-16 Thread with Adapter for 1/4-Inch-20 Tripod Screws, ..	.25
<b>PH3.8-1953</b> †Contact Printers, Specifications for .....	.25
<b>PH3.9-1953</b> †Masks (Separate) for Use in Photographic Contact Printing of Roll Film Negatives, Specifications for .....	.25
<b>PH3.10-1954</b> †Threads for Attaching Mounted Lenses to Photographic Equipment .....	.25
<b>PH3.11-1953</b> †Stereo Still Pictures on 35-Millimeter Film (5-Perforation Format) Dimensions for .....	.25

### ● Photographic Apparatus (Continued)

	Price
<b>PH3.12-1953</b> †Attachment Threads for Lens Accessories, Specifications for .....	.25
<b>PH3.14-1944</b> †Front Lens Mounts for Cameras, Dimensions of .....	.25
<b>PH3.15-1944</b> †Printing Frames, Specifications for .....	.25
<b>PH3.16-1947</b> †Resolving Power of Lenses for Projectors for 35-mm Slidefilm and 2 x 2-Inch Slides, Method for Determining .....	.25
<b>PH3.18-1957</b> †Internal Synchronization of Front Shutters, Classifying and Testing the .....	.35
<b>PH3.19-1948</b> †Radiographic Intensifying Screens, Dimensions for .....	.25
<b>PH3.20-1955</b> †Focusing Camera Lenses, Distance Scales for (Revision of Z38.4.3-1947 and Z38.4.13-1948) .....	.25
<b>PH3.21-1957</b> †Medical X-ray Film Cassettes (Inch and Centimeter Sizes) Dimensions for .....	.25
<b>PH3.23-1950</b> †Shutter Cable Release Tip and Socket with Taper (European) Thread (Reaffirmation of Z38.4.5-1950) .....	.25
<b>PH3.24-1950</b> †Shutter Cable Release Tip and Socket with Straight (American) Thread (Reaffirmation of Z38.4.6-1950) .....	.25
<b>PH3.25-1948</b> †Parts of a Photographic Objective Lens, Nomenclature for (Reaffirmation of Z38.4.19-1948) .....	.25
<b>PH3.26-1951</b> †Photographic Double Film Holders of the Lock Rib Type, Dimensions for (Reaffirmation of Z38.1.51-1951) .....	.25
<b>PH3.27-1949</b> †Lantern Slide Projectors, Specifications for (Reaffirmation of Z38.7.14-1949) .....	.25
<b>PH3.28-1945</b> †Slidefilm Projectors, Specifications for (Reaffirmation of Z38.7.15-1945) .....	.25

### ● Photographic Apparatus (Continued)

These Z38 numbers will be changed to PH3 as the standards are revised or reaffirmed.

<b>Z38.4.4-1942</b> †Focal Lengths of Lenses, Marking .....	.25
<b>Z38.4.7-1950</b> †Lens Aperture Markings .....	.25
<b>Z38.4.8-1950</b> †Roll Film Cameras, Picture Sizes for ....	.25
<b>Z38.4.20-1948</b> †Apertures and Related Quantities Pertaining to Photographic Lenses, Methods of Designating and Measuring ....	.25
<b>Z38.4.21-1948</b> †Focal Lengths and Focal Distances of Photographic Lenses, Methods of Designating and Measuring .....	.35
<b>Z38.4.26-1951</b> †Flash Synchronizing Equipment, Bipost-Type, Connecting Cord Ends and Pins .....	.25
<b>Z38.4.27-1951</b> †Flash Synchronizing Equipment, Bayonet-Type, Connecting Cord Ends and Pins .....	.25
<b>Z38.7.4-1944</b> †Projectors for Opaque Materials for Use in Small Auditoriums, Specifications for .....	.25
<b>Z38.7.5-1948</b> †Printing and Projection Equipment, Methods of Testing .....	.25
<b>Z38.7.6-1950</b> †Photographic Enlargers, Methods for Testing .....	.35
<b>Z38.7.19-1950</b> †Lantern Slides, Dimensions for .....	.25

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	Price
<b>● PH4 — Photographic Processing:</b> (20% discount will be allowed on the purchase of complete PH4 series) (Binder \$2.00)	
<b>PH4.2-1952</b> †Sheet Film Processing Tanks, Specifications for .....	25
<b>PH4.3-1952</b> †Photographic Trays, Specifications for ...	25
<b>PH4.4-1952</b> †Channel-Type Photographic Hangers, Plates and Sheet Film, Specifications for .....	25
<b>PH4.5-1953</b> †Temperature for Photographic Processing Solutions .....	25
<b>PH4.6-1953</b> †Converting Weights and Measures for Photographic Use, Method for .....	35
<b>PH4.7-1956</b> †Photographic Thermometers (Revision of Z38.8.11-1948) .....	Out of print
<b>PH4.8-1953</b> †Thiosulfate Content of Processed Photographic Film, Method of Determining the .....	50
<b>PH4.9-1956</b> †Photographic Graduates (Revision of Z38.8.12-1948) .....	25
<b>PH4.10-1953</b> †Photographic Grade Blotters, Requirements for .....	25
<b>PH4.11-1956</b> †Method for Determining the Melting Point of a Non-support Layer of Films, Plates, and Papers in Distilled Water (Revision of Z38.8.20-1948) .....	50
<b>PH4.12-1954</b> †Stability of the Images of Processed Black-and-White Films, Plates, and Papers, Methods for Indicating the .....	50
<b>PH4.13-1954</b> †Chemical Resistivity and Photographic Inertness of Constructional Materials for Processing Equipment, Method and Criteria for Determining the .....	50
<b>PH4.14-1956</b> †Definition of a Fine Grain Developer ...	50
<b>PH4.15-1945</b> †Bite of Film Clip, Dimensions for .....	25
<b>PH4.16-1957</b> †Chromium-Plated Surfaces for Ferrotyping, Specifications for (Revision of Z38.8.18-1948) .....	35
<b>PH4.18-1956</b> †X-ray Sheet Film Hangers (Clip-Type) (Revision of Z38.8.23-1949) .....	25
<b>PH4.19-1956</b> †Deep Tanks for Manual Processing of Amateur Roll Film, Internal Dimensions for (Revision of Z38.8.8-1946) .....	25
<b>PH4.22-1956</b> †Channel-type Multiple Photographic Hangers (Plates and Sheet Film) .....	25
<b>● Photographic Processing (Continued)</b> These Z38 numbers will be changed to PH4 as the standards are revised or reaffirmed.	
<b>Z38.8.3-1947</b> †Photographic Processing Manipulation of Films and Plates, Practice for .....	50
<b>Z38.8.6-1949</b> †Photographic Processing Manipulation of Paper, Practice for .....	50
<b>Z38.8.7-1946</b> †Radiographic Film Processing Tanks, Internal Dimensions for .....	25
<b>Z38.8.9-1946</b> †Scales, Graduates, and Thermometers for Use in Photography, Accuracy of ....	25
<b>Z38.8.14-1950</b> †Photographic Wetting Agents, Requirements for .....	25
<b>Z38.8.19-1948</b> †Maximum Safe Temperatures for Photographic Processing Solutions, Method for Determining .....	25

	Price
<b>● Photographic Processing (Continued)</b>	
<b>Z38.8.21-1950</b> †Photographic Filing Envelopes for Storing Processed Photographic Films, Plates, and Papers, Requirements for .....	25
<b>Z38.8.25-1950</b> †Residual Thiosulfate and Tetrathionate in Processed Photographic Papers, Method for Determining .....	35
<b>● Specifications for Photographic Grade Chemicals:</b> PH4 numbers referring to standards for Photographic Grade Chemicals can be found under Z38.8 below. They are listed numerically according to the number after the second decimal point.	
<b>Acids</b>	
<b>PH4.105-1952</b> †Sodium Acid Sulfate, Fused .....	25
<b>PH4.107-1954</b> †Citric Acid, Anhydrous .....	25
<b>Z38.8.100-1949</b> †Acetic Acid Glacial .....	25
<b>Z38.8.101-1949</b> †Sulfuric Acid .....	25
<b>Z38.8.102-1949</b> †Citric Acid .....	25
<b>Z38.8.103-1949</b> †Boric Acid, Crystalline .....	25
<b>Z38.8.104-1949</b> †Hydrochloric Acid .....	25
<b>Z38.8.106-1949</b> †Acetic Acid, 28 Percent .....	25
<b>Developing Agents</b>	
<b>PH4.125-1956</b> †Mono-Methyl-Para-Aminophenol Sulfate, (Revision of Z38.8.125-1948) .....	35
<b>PH4.126-1955</b> †Hydroquinone (Revision of Z38.8.126-1949) .....	35
<b>PH4.127-1956</b> †2,4-Diaminophenol Hydrochloride, (Revision of Z38.8.127-1948) .....	35
<b>PH4.128-1956</b> †Para-Hydroxyphenylglycine, (Revision of Z38.8.128-1949) .....	35
<b>PH4.129-1956</b> †Para-Aminophenol Hydrochloride, (Revision of Z38.8.129-1948) .....	35
<b>PH4.130-1956</b> †Pyrogallol Acid, (Revision of Z38.8.130-1948) .....	25
<b>PH4.132-1956</b> †Para-Phenylenediamine, (Revision of Z38.8.132-1948) .....	35
<b>PH4.133-1956</b> †Para-Phenylenediamine, Dihydrochloride, (Revision of Z38.8.133-1948) .....	35
<b>PH4.134-1956</b> †Chlorohydroquinone, (Revision of Z38.8.134-1948) .....	35
<b>PH4.135-1954</b> †Mono-Benzyl-Para-Aminophenol Hydrochloride .....	25
<b>Z38.8.131-1948</b> †Catechol (Ortho-Dihydroxybenzene, Pyrocatechin, Pyrocatechol) .....	25
<b>Hardeners</b>	
<b>Z38.8.150-1949</b> †Aluminum Potassium Sulfate, Crystalline .....	25
<b>Z38.8.151-1949</b> †Chromium Potassium Sulfate, Crystalline .....	25
<b>Z38.8.152-1949</b> †Formaldehyde Solution .....	25
<b>Z38.8.153-1949</b> †Paraformaldehyde .....	25
<b>Bleaching Agents</b>	
<b>Z38.8.177-1949</b> †Potassium Dichromate .....	25
<b>Z38.8.178-1949</b> †Potassium Permanganate .....	25
<b>Z38.8.179-1949</b> †Potassium Ferricyanide .....	25
<b>Z38.8.181-1949</b> †Potassium Persulfate .....	25

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## ● Photographic Grade Chemicals (Continued)

	Price
<b>Miscellaneous</b>	
PH4.177-1956 †Sodium Thiocyanate .....	.25
PH4.178-1954 †Isopropylamine, 50-Percent Aqueous Solution (Monoisopropylamine) .....	.25
PH4.179-1956 †Sodium Citrate .....	.25
PH4.181-1954 Benzyl Alcohol .....	.25
PH4.183-1953 †Ammonium Chloride .....	.25
PH4.184-1953 †Ammonium Sulfate .....	.25
Z38.8.175-1949 †Sodium Sulfate, Anhydrous .....	.25
Z38.8.176-1949 †Sodium Acetate, Anhydrous .....	.25
Z38.8.180-1949 †Copper Sulfate .....	.25
Z38.8.182-1949 †Sodium Sulfide, Fused .....	.25
<b>Restrainers and Antifoggants</b>	
PH4.200-1955 †Potassium Bromide (Revision of Z38.8.200-1949) .....	.25
PH4.201-1957 †Potassium Iodide (Revision of Z38.8.201-1948) .....	.25
PH4.202-1956 †Potassium Chloride (Revision of Z38.8.202-1948) .....	.25
PH4.203-1956 †Sodium Chloride (Revision of Z38.8.203-1948) .....	.25
PH4.204-1955 †Benzotriazole (1,2,3-Benzotriazole) (Revision of Z38.8.204-1948) .....	.25
PH4.205-1956 †5-Methylbenzotriazole (Revision of Z38.8.205-1948) .....	.25
PH4.206-1956 †6-Nitrobenzimidazole Nitrate (Revision of Z38.8.206-1948) .....	.25
PH4.207-1954 †Sodium Bromide .....	.25
<b>Alkalies</b>	
PH4.225-1956 †Sodium Hydroxide (Revision of Z38.8.225-1948) .....	.25
PH4.226-1956 †Potassium Hydroxide (Revision of Z38.8.226-1948) .....	.25
PH4.227-1954 †Sodium Carbonate, Monohydrate .....	.25
PH4.228-1954 †Sodium Carbonate, Anhydrous .....	.25
PH4.229-1956 †Potassium Carbonate (Revision of Z38.8.229-1948) .....	.25
PH4.230-1954 †Sodium Tetraborate, Decahydrate (Borax) .....	.25
PH4.231-1954 †Sodium Metaborate, Octahydrate .....	.25
PH4.232-1956 †Ammonium Hydroxide (Revision of Z38.8.232-1948) .....	.25
PH4.233-1954 †Sodium Tetraborate Pentahydrate (Borax-5 Mole) .....	.25
<b>Fixing Agents</b>	
PH4.250-1953 †Sodium Thiosulfate, Anhydrous .....	.25
PH4.251-1953 †Sodium Thiosulfate, Crystalline .....	.25
PH4.252-1953 †Ammonium Thiosulfate, 60 Percent Solution .....	.25
PH4.253-1953 †Ammonium Thiosulfate .....	.25
<b>Sulfites</b>	
PH4.275-1952 †Sodium Sulfite .....	.25
PH4.277-1957 †Potassium Metabisulfite (Revision of Z38.8.277-1948) .....	.25
Z38.8.276-1949 †Sodium Bisulfite .....	.25

## ● PH5 — Photographic Reproduction of Documents:

	Price
PH5.2-1957 †Paper Sheets for Photo-Reproduction of Documents, Dimensions for .....	.25
PH5.4-1957 †Storage of Microfilm, Practice for .....	.50
Z38.7.8-1947 †Microfilms, Practice for .....	.25
Z38.7.9-1946 †Microfilm Readers, Specifications for ...	.25
Z38.7.17-1946 †Processed Microfilm, Reels for .....	.25

## ● PH22 — Motion Pictures:

(20% discount will be allowed on the purchase of complete PH22 series) (Special Binder \$5.00)

PH22.1-1953 †35mm Motion-Picture Film, Alternate Standards for Either Positive or Negative Raw Stock, Dimensions for .....	.25
PH22.2-1954 †35mm Sound Motion-Picture Film Usage in Camera .....	.25
PH22.3-1954 †35mm Sound Motion-Picture Film Usage in Projector .....	.25
PH22.5-1953 †16-Millimeter Film, Perforated Two Edges, Dimensions for .....	.25
PH22.8-1957 †16mm Motion-Picture Film, Projected Image Area of (Revision of Z22.8.1950) ..	.25
PH22.9-1956 †16mm Film Perforated Along Two Edges, Usage in Camera (Revision of Z22.9-1946) .....	.25
PH22.10-1956 †16mm Film Perforated Along Two Edges, Usage in Projector (Revision of Z22.10-1947) .....	.25
PH22.11-1953 †16-Millimeter Motion-Picture Projection Reels .....	.35
PH22.12-1953 †16-Millimeter Film, Perforated One Edge, Dimensions for .....	.25
PH22.15-1955 †16mm Film Perforated One Edge, Usage in Camera (Revision of Z22.15-1946)...	.25
PH22.16-1955 †16mm Film Perforated One Edge, Usage in Projector (Revision of Z22.16-1947)...	.25
PH22.17-1954 †Dimensions for 8mm Motion-Picture Film	.25
PH22.20-1957 †8mm Motion-Picture Film, Projected Image Area of (Revision of Z22.20-1950) ..	.25
PH22.21-1953 †8-Millimeter Motion-Picture Film, Usage in Camera .....	.25
PH22.22-1953 †8mm Motion-Picture Film, Usage in Projector .....	.25
PH22.24-1952 †Splices for 16-Millimeter Motion-Picture Films for Projection .....	.25
PH22.27-1947 R1953 †Transmission Density of Motion-Picture Films, Method of Determining (including Z38.2.5-1946) .....	1.25
PH22.34-1956 †35mm Motion-Picture Film, B11-1870, Dimensions for (Revision of Z22.34-1949) ..	.25
PH22.35-1957 †16-Tooth 35mm Motion-Picture Projector Sprockets (Revision of Z22.35-1947) ...	.25
PH22.36-1954 †Dimensions for 35mm Motion-Picture Positive Raw Stock .....	.25
PH22.37-1944 R1953 †Raw Stock Cores for 35-Millimeter Motion-Picture Film .....	.25
PH22.38-1952 †Raw Stock Cores for 16-Millimeter Motion-Picture Film .....	.25
PH22.39-1953 †Screen Brightness for 35mm Motion-Pictures .....	.25
PH22.40-1957 Photographic Sound Record on 35mm Prints (Revision of Z22.40-1950) .....	.25

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## ●PH22 — Motion Pictures (Continued)

	Price
<b>PH22.41-1957</b> †Photographic Sound Record on 16mm Prints (Revision of Z22.41-1946) . . . .	.25
<b>PH22.42-1955</b> †16mm Sound-Focusing Test Film (Revision of Z22.42-1946) . . . . .	.25
<b>PH22.43-1953</b> †16mm 3000-Cycle Flutter Test Film . . . .	.25
<b>PH22.44-1953</b> †16mm Multifrequency Test Film . . . . .	.25
<b>PH22.45-1955</b> †16mm 400-Cycle Signal-Level Test Film (Revision of Z22.45-1946) . . . . .	.25
<b>PH22.46-1946</b> †16-Millimeter Positive Aperture Dimensions and Image Size for Positive Prints Made from 35-Millimeter Negatives . . . .	.25
R1953	
<b>PH22.47-1946</b> †Negative Aperture Dimensions and Image Size for 16-Millimeter Duplicate Negatives Made from 35-Millimeter Positive Prints . . . . .	.25
R1953	
<b>PH22.48-1956</b> †Picture Printer Aperture for Contact Printing 16mm Positive from 16mm Negative (Revision of Z22.48-1946) . . . .	.25
<b>PH22.49-1946</b> †Printer Aperture Dimensions for Contact Printing 16-Millimeter Reversal and Color Reversal Duplicate Prints . . . . .	.25
R1955	
<b>PH22.50-1946</b> †Reel Spindles for 16-Millimeter Motion-Picture Projectors . . . . .	.25
R1952	
<b>PH22.52-1954</b> †Cross-Modulation Tests, 16mm Variable-Area Photographic Sound . . . . .	.25
<b>PH22.53-1953</b> †Method of Determining Resolving Power of 16mm Motion-Picture Projector Lenses . . . . .	.25
<b>PH22.57-1955</b> †16mm Buzz-Track Test Film (Revision of Z22.57-1947) . . . . .	.25
<b>PH22.58-1954</b> †Aperture for 35mm Sound Motion-Picture Projectors . . . . .	.25
<b>PH22.59-1954</b> †Aperture for 35mm Sound Motion-Picture Cameras . . . . .	.25
<b>PH22.60-1948</b> †Theatre Sound Test Film for 35-Millimeter Motion-Picture Sound Reproducing Systems . . . . .	.25
R1953	
<b>PH22.61-1949</b> †Sound Focusing Test Film for 35-Millimeter Motion-Picture Sound Reproducers (Reaffirmation of Z22.61-1949) . . . .	.25
R1955	
<b>PH22.62-1948</b> †Sound Focusing Test Film for 35-Millimeter Motion-Picture Sound Reproducers (Laboratory Type) . . . . .	.25
R1953	
<b>PH22.65-1948</b> †Scanning-Beam Uniformity Test Film for 35-Millimeter Motion-Picture Sound Reproducers (Service Type) . . . . .	.25
R1953	
<b>PH22.66-1948</b> †Scanning-Beam Uniformity Test Film for 35-Millimeter Motion-Picture Sound Reproducers (Laboratory Type) . . . . .	.25
R1953	
<b>PH22.67-1948</b> †1000-Cycle Balancing Test Film for 35-Millimeter Motion-Picture Sound Reproducers . . . . .	.25
R1953	
<b>PH22.68-1949</b> †Buzz-Track Test Film for 35-Millimeter Motion-Picture Sound Reproducers (Reaffirmation of Z22.68-1949) . . . . .	.25
R1955	
<b>PH22.69-1948</b> †Sound Records and Scanning Area of Double Width Push-Pull Sound Prints (Normal Centerline Type) . . . . .	.25
R1953	
<b>PH22.70-1948</b> †Sound Records and Scanning Area of Double Width Push-Pull Sound Prints (Offset Centerline Type) . . . . .	.25
R1953	
<b>PH22.71-1957</b> †32mm Motion-Picture Film, 2R-3000, Dimensions for (Revision of Z22.71-1950) . . . .	.25

## ●PH22 — Motion Pictures (Continued)

	Price
<b>PH22.72-1957</b> †32mm Motion-Picture Film, 4R-3000, Dimensions for (Revision of Z22.72-1950) . . . .	.25
<b>PH22.73-1951</b> †32-Millimeter on 35-Millimeter Motion-Picture Negative Raw Stock, Cutting and Perforating Dimensions for . . . . .	.25
<b>PH22.74-1951</b> †Zero Point for Focusing Scales on 16-Millimeter and 8-Millimeter Motion-Picture Cameras . . . . .	.25
R1957	
<b>PH22.75-1953</b> †A and B Windings of 16-Millimeter Film Perforated One Edge . . . . .	.25
<b>PH22.76-1951</b> †Mounting Threads and Flange Focal Distances for Lenses on 16-Millimeter and 8-Millimeter Motion-Picture Cameras . . . . .	.25
<b>PH22.77-1952</b> †Splices for 8-Millimeter Motion-Picture Films . . . . .	.25
<b>PH22.79-1950</b> †16-Millimeter Sound Projector Test Film (Reaffirmation of Z22.79-1950) . . . . .	.25
R1956	
<b>PH22.82-1951</b> †Sound Transmission of Perforated Projection Screens . . . . .	.25
<b>PH22.83-1952</b> †Edge-Numbering 16-Millimeter Motion-Picture Film . . . . .	.25
<b>PH22.84-1953</b> †Projection Lamps, Medium Prefocus Ring Double-Contact Base-Up Type for 16mm and 8mm Motion-Picture Projectors, Dimensions for . . . . .	.25
<b>PH22.85-1953</b> †Projection Lamps, Medium Prefocus Base-Down Type for 16mm and 8mm Motion-Picture Projectors, Dimensions for . . . .	.25
<b>PH22.86-1953</b> †Dimensions for 200-Mil Magnetic Sound Tracks on 35mm and 17½mm Motion-Picture Film . . . . .	.25
<b>PH22.87-1953</b> †Dimensions for 100-Mil Magnetic Coating on Single-Perforated 16mm Motion-Picture Film . . . . .	.25
<b>PH22.88-1956</b> †Magnetic Coating of 8mm Motion-Picture Film . . . . .	.25
<b>PH22.90-1953</b> †Motion Picture Lenses, Aperture Calibration of . . . . .	.50
<b>PH22.91-1955</b> †16mm Motion Picture Projector for Use with Monochrome Television Film Chains Operating on Full-Storage Basis . . . . .	.35
<b>PH22.92-1953</b> †Enlargement Ratio for 16mm to 35mm Optical Printing . . . . .	.25
<b>PH22.93-1953</b> †Dimensions for 35mm Motion-Picture Short-Pitch Negative Film . . . . .	.25
<b>PH22.94-1954</b> †Slides and Opaques for Television Film Camera Chains (Supplement to Z38.7.19-1950) . . . . .	.50
<b>PH22.95-1954</b> †Television Picture Area—35mm Motion-Picture Film . . . . .	.25
<b>PH22.96-1954</b> †Television Picture Area—16mm Motion-Picture Film . . . . .	.25
<b>PH22.97-1956</b> †200-Mil Magnetic Sound Record on 16mm Film Base Perforated One Edge . . . . .	.25
<b>PH22.98-1955</b> †35-Millimeter Magnetic Flutter Test Film, 3 Track . . . . .	.25
<b>PH22.99-1955</b> †35-Millimeter Magnetic Azimuth Alignment Test Film . . . . .	.25
<b>PH22.100-1955</b> †Screen Brightness of 16-Millimeter Laboratory Review Rooms . . . . .	.25
<b>PH22.101-1956</b> †Magnetic Coating of 16mm Film Perforated Along Both Edges . . . . .	.25

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### ●PH22 — Motion Pictures (Continued)

	Price
PH22.102-1956 †35mm Motion-Picture Film, CS-1870, Dimensions for .....	.25
PH22.103-1957 †35mm Anamorphic Prints with Magnetic Sound Records, Usage in Projector...	.25
PH22.104-1957 †Projector Aperture for 35mm, Anamorphic, 2.55:1 Prints with Squeeze Ratio of 2:1 .....	.25
PH22.106-1957 Projector Aperture for 35mm Anamorphic, 2.35:1 Prints with Squeeze Ratio of 2:1 .....	.25

### ●Motion Pictures (Continued)

These Z22 numbers will be changed to PH22 as the standards are revised or reaffirmed.

Z22.4-1941 †35mm Film; Projector Reels .....	.25
Z22.7-1950 †Picture Aperture of 16-Millimeter Motion-Picture Cameras, Location and Size of ..	.35
Z22.19-1950 †Picture Aperture of 8-Millimeter Motion Picture Cameras, Location and Size of ..	.25
Z22.23-1941 †8mm Silent Film; Projection Reels .....	.25
Z22.28-1946 †Projection Rooms and Lenses for Motion Picture Theatres, Dimensions for .....	.25
Z22.31-1946 †Motion Picture Safety Film, Definition for ..	.50
Z22.51-1946 †Intermodulation Tests on Variable Density 16-Millimeter Sound Motion Picture Prints, Method of Making .....	.25
Z22.55-1947 †35-Millimeter Sound Motion Picture Release Prints in Standard 2000-Foot Lengths, Specifications for .....	.25
Z22.56-1947 †Nomenclature for Motion Picture Film Used in Studios and Processing Laboratories .....	.50
(19 1/2" x 28 1/2"-inch reproduction of chart on pages 8 and 9 sold separately...30¢)	
Z22.80-1950 †Scanning-Beam Uniformity Test Film for 16-Millimeter Motion Picture Sound Reproducers (Laboratory Type) .....	.25
Z22.81-1950 †Scanning-Beam Uniformity Test Film for 16-Millimeter Motion Picture Sound Reproducers (Service Type) .....	.25

### X — Office Equipment and Supplies

X2.1.1-1951 †Desks and Tables for General Office Use, Dimensions of .....	.25
X2.1.2-1952 †Installation of Telephone Equipment on Desks, Provisions for .....	.25
X2.1.3-1954 †Reflectances of Furniture for General Office Use .....	.25
X2.1.4-1954 †Posture Chair, Definition of .....	.25
X2.2.1-1955 Basic Sheet Sizes and Standard Stock Sizes for Bond Papers and Index Bristols ....	.25
X2.4.1-1951 †Index Cards and Record-Keeping Cards, Size Designation for .....	.25
X2.4.2-1954 †Non-Carbonized, Single-Ply, Adding Machine Paper Rolls, Specifications for....	.25

Price

	Price
X2.4.3-1956 Ring, Memo, and Post Binder Sheet Sizes and Ring and Post Data (NOMA N4.3-1954) .....	.25
X2.5.16-1954 †Operating Voltage Range of Office Dictating Machines .....	.25
X2.5.17-1954 †Maximum Electrical Leakage of Dictating Machines .....	.25
X2.5.18-1954 †Template and Method of Attaching Dictating Machine Secretarial Hand Controls to Typewriters .....	.25
X2.5.19-1954 †Cable for Office Dictation Machines, Length of .....	.25

### Y — Drawings, Symbols, and Abbreviations (Formerly Z)

Y is the new letter assigned to standards for abbreviations, charts and graphs, drawings, graphical symbols, and letter symbols. Standards previously approved are lettered "Z."

#### ●Y1 — Abbreviations:

The following standards will be numbered Y1 when they are revised.

Z10.1-1941 Abbreviations for Scientific and Engineering Terms .....	1.00
Z32.13-1950 †Abbreviations for Use on Drawings .....	1.25

#### ●Y10 — Letter Symbols: (see also E6.5 and Z7.1)

Y10.4-1957 Letter Symbols for Heat and Thermodynamics (Revision of Z10.4-1943) .....	1.50
Y10.7-1954 Letter Symbols for Aeronautical Sciences ..	2.00
Y10.9-1953 Letter Symbols for Radio .....	1.00
Y10.10-1953 Meteorology, Letter Symbols for .....	1.00
Y10.11-1953 Letter Symbols for Acoustics .....	1.00
Y10.12-1955 Letter Symbols for Chemical Engineering ..	1.50

The following numbers will be changed to Y10 as the standards are revised.

Z10f-1928 Mathematical Symbols .....	.40
Z10.2-1942 Letter Symbols for Hydraulics .....	1.00
Z10.3-1948 Letter Symbols for Mechanics of Solid Bodies .....	1.00
R1953	
Z10.5-1949 Letter Symbols for Electrical Quantities ..	.60
Z10.6-1948 Letter Symbols for Physics .....	2.00
Z10.8-1949 Letter Symbols for Structural Analysis ....	1.00

#### ●Y14 — American Drafting Standards Manual

(Each of the following sections are partial revisions of Z14.1-1946)

Y14.1-1957 Size and Format (Section 1) .....	1.00
Y14.2-1957 Line Conventions, Sectioning and Lettering (Section 2) .....	1.50
Y14.3-1957 Projections (Section 3) .....	1.50
Y14.4-1957 Pictorial Drawing (Section 4) .....	1.50
Y14.5-1957 Dimensioning and Notes (Section 5) ....	2.00
Y14.6-1957 Screw Threads (Section 6) .....	1.50

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## Price

## ●Y15 — Charts and Graphs:

The following numbers will be changed to Y15 when the standards are revised.

<b>Z15.1-1932</b> R1947	Engineering and Scientific Charts for Lantern Slides .....	<i>Out of print*</i>
<b>Z15.2-1938</b> R1947	Time-Series Charts, Manual of Design and Construction .....	3.00
<b>Z15.3-1943</b> R1947	Engineering and Scientific Graphs for Publications .....	<i>Out of print*</i>

\*Y15 may be used as a temporary substitute for Z15.1-1932 and Z15.3-1943.

**Y15 — A Guide for Preparing Technical Illustrations for Publication and Projection..... \$2.00**

34-page 8½ x 11 inch, 48 figures, 7 tables. This proposed standard, developed by ASA Sectional Committee Y15, shows how clear, legible, and effective, illustrations can be prepared with minimum effort. Included are: preferred illustration planning and layout practices, factors influencing legibility of reproductions, principles common to both publication and slide copy, preparation of illustrations and copy for either still projections or publications, drafting practices and materials for use in illustration work.

## ●Y32 — Graphical Symbols:

<b>Y32.2-1954</b>	†Graphical Symbols for Electrical Diagrams	1.25
<b>Y32.4-1955</b>	Graphical Symbols for Plumbing (Revision of Z32.2.2-1949) .....	1.00
<b>Y32.7-1957</b>	Graphical Symbols for Use on Maps and Profiles (Revision of Z32.2.5-1950) .....	1.50
<b>Y32.9-1943</b>	Architectural Plans, Graphical Electrical Symbols for .....	.40

As the following standards are revised they will be assigned Y32 numbers.

<b>Z10g5-1933</b> R1953	Graphical Symbols Used for Electric Traction including Railway Signaling (AIEE 17g5-1934) .....	<i>Out of print</i>
<b>Z32.2.1-1949</b> R1953	Welding, Graphical Symbols for .....	3.00
<b>Z32.2.3-1949</b> R1953	Pipe Fittings, Valves, and Piping, Graphical Symbols for .....	1.00
<b>Z32.2.4-1949</b> R1953	Heating, Ventilating, and Air Conditioning, Graphical Symbols for .....	1.50
<b>Z32.2.6-1950</b> R1956	Heat-Power Apparatus, Graphical Symbols for .....	1.00

## Z — Miscellaneous

<b>Z1.1-1941</b>	†Guide for Quality Control .....	} <i>Out of print</i>
<b>Z1.2-1941</b>	†Control Chart Method of Analyzing Data (American War Standards) .....	
<b>Z1.3-1942</b>	†Control Chart Method of Controlling Quality During Production (American War Standard) .....	1.00
<b>Z2-1938</b>	Protection of Heads, Eyes, and Respiratory Organs, Safety Code for (NBS Handbook H24) .....	<i>Out of print</i>

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**Z2 Report — The Spectral-Transmissive Properties of Plastics for Use in Eye Protection.. \$1.50**

48-page 8½ x 11 inch, 106 charts, 4 tables, heavy paper cover. This report was prepared by a subcommittee on Transmissive Properties of Plastics, and contains ultraviolet, luminous and infrared spectral transmissive properties and other characteristic data on many of the presently available types of plastics suitable for use in protecting the eyes in industrial and certain other operations. Much of this spectral transmissive data is new and is being presented in this report for the first time.

<b>Z4.1-1955</b>	†Sanitation in Places of Employment, Minimum Requirements for .....	.50
<b>Z4.2-1942</b>	†Drinking Fountains, Specifications for ....	.25
<b>Z4.3-1935</b>	Sanitary Privy (Supplement No. 108 to the Public Health Report) .....	<i>Out of print</i>
<b>Z7.1-1942</b>	Illuminating Engineering Nomenclature and Photometric Standards .....	.50
<b>Z8-1941</b>	†Laundry Machinery and Operations, Safety Code for .....	.35
<b>Z9</b>	†Fundamentals Relating to the Design and Operation of Exhaust Systems (Report published for comment) .....	<i>Out of print</i>
<b>Z9.1-1951</b>	†Ventilation and Safe Operation of Open-Surface Tanks .....	.75

**Z10** — See Y1, Y10, and Y32 series in the foregoing and on page 45

## ●Z11 — Petroleum Products:

(Special price of series, \$28.00)

<b>Z11.2-1956</b>	Saybolt Viscosimeter, Method of Test for (ASTM D88-56; AASHTO T72) .....	.30
<b>Z11.3-1952</b>	Cone Penetration of Lubricating Grease, Test for (ASTM D217-52T) .....	.30
<b>Z11.4-1942</b> R1947	Melting Point of Paraffin Wax, Method of Test for (ASTM D87-42; API 513-42) ..	.30
<b>Z11.5-1948</b>	Cloud and Pour Points, Method of Test for (ASTM D97-47; API 506-47) .....	.30
<b>Z11.6-1956</b>	Flash and Fire Points by Cleveland Open Cup, Method of Test for (ASTM D92-56; AASHTO T48) .....	.30
<b>Z11.7-1952</b>	Flash Point by Means of the Pensky-Martens Closed Tester, Method of Test for (ASTM D93-52; AASHTO T73-52) ...	.30
<b>Z11.9-1956</b>	Water in Petroleum Products and Other Bituminous Materials, Method of Test for (ASTM D95-56T; AASHTO T55) .....	.30
<b>Z11.10-1956</b>	Distillation of Gasoline, Naphtha, Kerosine, and Similar Petroleum Products, Method of Test for (ASTM D86-56; AASHTO T115) .....	.30
<b>Z11.11-1955</b>	Distillation of Natural Gasoline, Method of Test for (ASTM D216-54) .....	.30
<b>Z11.13-1952</b>	Sulphur in Petroleum Products by the Bomb Method, Method of Test for (ASTM D129-52) .....	.30
<b>Z11.14-1950</b>	Thermal Value of Fuel Oil, Method of Test for (ASTM D240-50; API 517-50) ..	.30
<b>Z11.16-1948</b>	Analysis of Grease, Methods of (ASTM D128-47; API 501-47) .....	.30

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<b>● Z11 — Petroleum Products (Continued)</b>	
<b>Z11.17-1949</b> Burning Quality of Kerosine, Method of Test for (ASTM D187-49) .....	.30
<b>Z11.18-1930</b> Burning Quality of Mineral Seal Oil, Method of Test for (ASTM D239-30; R1947 API 504-30) .....	.30
<b>Z11.19-1936</b> Burning Quality of Long-Time Burning Oil for Railway Use, Method of Test for (ASTM D219-36; API 503-36) .....	.30
<b>Z11.20-1956</b> Saponification Number of Petroleum Products by Color-Indicator Titration, Method of Test for (ASTM D94-56T) .....	.30
<b>Z11.21-1956</b> Copper Corrosion by Petroleum Products (Copper Strip Test), Method of Test for (ASTM D130-56) .....	.30
<b>Z11.22-1949</b> Melting Point of Petrolatum and Microcrystalline Wax, Method of Test for (ASTM D127-49) .....	.30
<b>Z11.23-1932</b> Autogenous Ignition Temperatures of Petroleum Products, Method of Test for (ASTM D286-30; API 522-30) .....	.30
<b>Z11.24-1956</b> Flash Point by Tag Closed Tester, Method of Test for (ASTM D56-56) .....	.30
<b>Z11.25-1952</b> Carbon Residue of Petroleum Products (Conradson Carbon Residue), Method of Test for (ASTM D189-52) .....	.30
<b>Z11.26-1955</b> Distillation of Gas Oil and Similar Distillate Fuel Oils, Method of Test for (ASTM D158-54) .....	.30
<b>Z11.28-1953</b> Terms Relating to Petroleum, Definitions of (ASTM D288-53) .....	.30
<b>Z11.29-1935</b> Dilution of Crankcase Oils, Method of Test for (ASTM D322-35; API 524-35) .....	.30
<b>Z11.30-1952</b> Precipitation Number of Lubricating Oils, Method of Test for (ASTM D91-52) ....	.30
<b>Z11.31-1955</b> API Gravity of Petroleum and Its Products (Hydrometer Method), Method of Test for (ASTM D287-55) .....	.30
<b>Z11.32-1955</b> Distillation of Crude Petroleum, Method of Test for (ASTM D285-54T) .....	.30
<b>Z11.33-1935</b> Sampling Petroleum and Petroleum Products, Methods of (ASTM D270-33; API 528-33) .....	.50
<b>Z11.35-1953</b> Color of Refined Petroleum Oil by Means of Saybolt Chromometer, Method of Test for (ASTM D156-53T) .....	.30
<b>Z11.36-1953</b> Existent Gum in Gasoline (Air-Jet Evaporation), Method of Test for (ASTM D381-52T; API 529-52) .....	.30
<b>Z11.37-1956</b> Knock Characteristics of Motor Fuels by the Motor Method, Method of Test for (ASTM D357-56) .....	.30
<b>Z11.39-1943</b> Viscosity-Temperature Charts for Liquid Petroleum Products (ASTM D341-43; R1947 API 533-43) (Charts A, B, C, D, and E) ..	1.25
<b>Z11.41-1952</b> Unsulfonated Residue of Plant Spray Oils, Method of Test for (ASTM D483-52T) ..	.30
<b>Z11.42-1952</b> Stoddard Solvent, Specifications for (ASTM D484-52) .....	.30
<b>Z11.43-1955</b> Distillation of Plant Spray Oils, Method of Test for (ASTM D447-55T) .....	.30
<b>Z11.44-1956</b> Vapor Pressure of Petroleum Products (Reid Method), Method of Test for (ASTM D323-56) .....	.30
<b>Z11.45-1953</b> Calculating Viscosity Index, Method for (ASTM D567-53; API 540-53) .....	.30

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<b>● Z11 — Petroleum Products (Continued)</b>	
<b>Z11.46-1953</b> Conversion of Kinematic Viscosity to Saybolt Universal Viscosity, Method for (ASTM D446-53; API 534-53) .....	.30
<b>Z11.47-1952</b> Carbon Residue of Petroleum Products (Ramsbottom Carbon Residue), Method of Test for (ASTM D524-52T) .....	.30
<b>Z11.48-1953</b> Tetraethyl Lead in Gasoline, Method of Test for (ASTM D526-53T) .....	.30
<b>Z11.49-1945</b> Carbonizable Substance in White Mineral Oil (Liquid Petrolatum), Method of Test for (ASTM D565-45; API 545-45) .....	.30
<b>Z11.50-1945</b> Carbonizable Substances in Paraffin Wax, Method of Test for (ASTM D612-45; API 544-45) .....	.30
<b>Z11.51-1943</b> Dropping Point of Lubricating Grease, Method of Test for (ASTM D566-42; R1947 API 543-42) .....	.30
<b>Z11.52-1956</b> Oil Content of Petroleum Waxes, Method of Test for (ASTM D721-56T) .....	.30
<b>Z11.53-1953</b> Conversion of Kinematic Viscosity to Saybolt Furol Viscosity, Method for (ASTM D666-53; API 548-53) .....	.30
<b>Z11.54-1947</b> Ash Content of Petroleum Oils, Method of Test for (ASTM D482-46; API 549-46) ..	.30
<b>Z11.56-1949</b> Chemical Analysis for Metals in Lubricating Oils, Methods of (ASTM D811-48) ..	.30
<b>Z11.57-1949</b> Sulfated Residue, Lead, Iron, and Copper in New and Used Lubricating Oils, Methods of Test for (ASTM D810-48) ..	.30
<b>Z11.58-1949</b> Sediment in Fuel Oil by Extraction, Method of Test for (ASTM D473-48) .....	.30
<b>Z11.59-1955</b> Neutralization Value (Acid and Base Numbers) by Potentiometric Titration, Method of Test for (ASTM D664-54) .....	.30
<b>Z11.60-1949</b> Oxidation Stability of Aviation Gasoline (Potential Gum Method), Method of Test for (ASTM D873-49) .....	.30
<b>Z11.61-1949</b> Congealing Point of Pharmaceutical Petrolatums, Method of Test for (ASTM D938-49) .....	.30
<b>Z11.62-1955</b> Density and Specific Gravity of Hydrocarbon Liquids by the Lipkin Bicapillary Pycnometer, Test for (ASTM D941-55) ..	.30
<b>Z11.63-1955</b> Oxygen Stability of Gasoline (Induction Period Method), Method of Test for (ASTM D525-55) .....	.30
<b>Z11.64-1950</b> Interfacial Tension of Oil Against Water by the Ring Method, Test for (ASTM D971-50) .....	.30
<b>Z11.65-1950</b> Oxidation Stability of Lubricating Greases by the Oxygen Bomb Method, Test for (ASTM D942-50) .....	.30
<b>Z11.66-1950</b> Determination of Butadiene Content of Polymerization Grade Butadiene (ASTM D973-50) .....	.30
<b>Z11.67-1955</b> Saponification Number of Petroleum Products by Potentiometric Titration, Test for (ASTM D939-54) .....	.30
<b>Z11.68-1955</b> Sulfated Residue from New Lubricating Oils, Test for (ASTM D874-55) .....	.30
<b>Z11.69-1956</b> Knock Characteristics of Motor Fuels by the Research Method, Method of Test for (ASTM D908-56) .....	.30
<b>Z11.70-1951</b> Benzene and Toluene by Ultraviolet Spectrophotometry, Test for (ASTM D1017-51) .....	.30

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●Z11 — Petroleum Products (Continued)		●Z11 — Petroleum Products (Continued)	
<b>Z11.71-1956</b>	Olefinic Plus Aromatic Hydrocarbons in Petroleum Distillates, Method of Test for (ASTM D1019-56T) ..... .30	<b>Z11.92-1955</b>	Test for Vapor Pressure of Liquefied Petroleum Gases (ASTM D1267-55) ..... .30
<b>Z11.72-1955</b>	Apparent Viscosity of Lubricating Greases, Test for (ASTM D1092-55) ..... .30	<b>Z11.93-1956</b>	Evaporation Loss of Lubricating Greases and Oils, Method of Test for (ASTM D972-56) ..... .30
<b>Z11.73-1951</b>	Sodium in Lubricating Oils and Lubricating Oil Additives, Test for (ASTM D1026-51) ..... .30	●Z12 — Dust Explosions:	
<b>Z11.74-1952</b>	Acetylene in Polymerization Grade Butadiene by Silver Nitrate Method, Test for (ASTM D1020-52) ..... .30	<b>Z12.1-1957</b>	Installation and Operation of Pulverized-Coal Systems, Code for the (NFPA 60) (Revision of Z12.1-1957 and Z12.17-1946) ..... .50
<b>Z11.75-1952</b>	Separation of Residue from Butadiene, Test for (ASTM D1023-52) ..... .30	<b>Z12.2-1957</b>	Starch Factories, Safety Code for the Prevention of Dust Explosions in (NFPA 61A) ..... .50
<b>Z11.76-1952</b>	Nonvolatile Residue of Polymerization Grade Butadiene, Test for (ASTM D1025-52) ..... .30	<b>Z12.3-1956</b>	Flour and Feed Mills, Safety Code for the Prevention of Dust Explosions in (NFPA 61C) ..... .35
<b>Z11.77-1952</b>	Acidity of Residue from Distillation of Gasoline and of Petroleum Solvents, Test for (ASTM D1093-52) ..... .30	<b>Z12.4-1956</b>	Terminal Grain Elevators, Safety Code for the Prevention of Dust Explosions in (NFPA 61B) ..... .35
<b>Z11.78-1953</b>	Foaming Characteristics of Crankcase Oils, Test for (ASTM D892-46T) ..... .30	<b>Z12.5-1953</b>	Woodworking Plants, Safety Code for the Prevention of Dust Explosions in (NFPA 663) ..... .25
<b>Z11.79-1953</b>	Butadiene Dimer in Polymerization Grade Butadiene, Method of Test for (ASTM D1024-53) ..... .30	<b>Z12.6-1953</b>	Sugar and Cocoa, Safety Code for Pulverizing Systems for (NFPA 62) ..... .25
<b>Z11.80-1953</b>	Boiling Point Range of Polymerization Grade Butadiene, Method of Test for (ASTM D1088-53) ..... .30	<b>Z12.7-1953</b>	Coal Pneumatic Cleaning Plants, Safety Code for the Prevention of Dust Explosions in (NFPA 653) ..... .25
<b>Z11.81-1953</b>	Carbonyl Content of Butadiene, Test for (ASTM D1089-53) ..... .30	<b>Z12.8-1946</b>	Wood Flour Manufacturing Establishments, Safety Code for the Prevention of Dust Explosions in (NFPA 662) ..... .25
<b>Z11.82-1953</b>	Water Tolerance for Aircraft Fuels, Method of Test for (ASTM D1094-53) ..... .30	<b>Z12.9-1953</b>	Spice Grinding Plants, Safety Code for the Prevention of Dust Ignitions in (NFPA 656) ..... .25
<b>Z11.83-1956</b>	Petroleum Measurement Tables (ASTM D1250-56) (IP 200/52) ..... 8.75 American Edition ..... 7.00 *British Edition ..... 7.00 *Metric Edition ..... 7.70 Standard (Single sheet listing of Tables contained in the above three editions) ..... .30	<b>Z12.11-1953</b>	Aluminum Bronze Powder, Safety Code for the Prevention of Dust Explosions in the Manufacture of (NFPA 651) ..... .25
<b>Z11.84-1955</b>	Specific Gravity of Petroleum and Its Products (Hydrometer Method), Method of Test for (ASTM D1298-55) ..... .30	<b>Z12.12-1950</b>	Sulphur Dust Explosions and Fires, Safety Code for the Prevention of (NFPA 655) ..... .25
<b>Z11.85-1955</b>	Test for Dust-Preventing Characteristics of Steam-Turbine Oil in the Presence of Water (ASTM D665-54) ..... .30	<b>Z12.13-1956</b>	Country Grain Elevators, Code for the Prevention of Dust Ignitions in (NFPA 64) ..... .25
<b>Z11.86-1955</b>	Test for Aromatic Hydrocarbons in Olefin-Free Gasolines by Silica Gel Absorption (ASTM D936-55) ..... .30	<b>Z12.14-1943</b>	Grain Elevators and Storage Units, Suggested Good Practices for the Application of Suction and Venting for the Control of Dust in (NFPA 661) ..... .25
<b>Z11.87-1955</b>	Test for Oxidation Characteristics of Inhibited Steam-Turbine Oils (ASTM D943-54) ..... .30	<b>Z12.15-1953</b>	Magnesium Powder or Dust, Code for Explosion and Fire Protection in Plants Producing or Handling (NFPA 652) .. .25
<b>Z11.88-1955</b>	Test for Measurement of Freezing Points of High-Purity Compounds for Evaluation of Purity (ASTM D1015-55) ..... .30	<b>Z12.16-1946</b>	Plastics Industry, Safety Code for the Prevention of Dust Explosions in the (NFPA 654) ..... .35
<b>Z11.89-1955</b>	Test for Determination of Purity from Freezing Points of High-Purity Compounds (ASTM D1016-55) ..... .50	<b>Z12.18-1953</b>	Confectionery Plants, Safety Code for the Prevention of Dust Explosions in (NFPA 657) ..... .25
<b>Z11.90-1955</b>	Test for Oxygen in Butadiene Vapors (Manganous Hydroxide Method) (ASTM D1021-55) ..... .30	●	
<b>Z11.91-1955</b>	Test for Sampling Liquefied Petroleum Gases (ASTM D1265-55) ..... .30	<b>Z14.1-1946</b>	See Y14, page 45.
		<b>Z15 Series</b>	See Y15, page 45
		<b>Z16.1-1954</b>	†Method of Recording and Measuring Work Injury Experience ..... .50
		<b>Z16.2-1941</b>	†Compiling Industrial Accident Causes Part 1—Selection of Accident Factors Part 2—Detailed Classification of Accident Factors ..... 1.25
		<b>Z17.1-1936</b> R1951	†Preferred Numbers ..... .50

\*Not included in specially priced series of Petroleum Products Standards or complete set of American Standards.

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	Price
<b>Z20.3-1950</b> Places of Outdoor Assembly (Grandstands and Tents) (NFPA 102) .....	.25

● **Z21 — Gas-Burning Appliances, Approval and Installation Requirements:**

● **Domestic Gas Ranges, Approval Requirements for:**

<b>Z21.1.1-1956</b> Free Standing Units, Volume I, with Addenda Z21.1.1a-1957 (Partial Revision of Z21.1-1955) .....	2.50
(Z21.1.1a-1957 sold separately.....)	.50¢
<b>Z21.1.2-1956</b> Built-In Domestic Cooking Units, Volume II, with Addenda Z21.1.2a-1957 (Partial Revision of Z21.1-1956) .....	2.50
(Z21.1.2a-1957 sold separately.....)	.50¢
●	
<b>Z21.2-1949</b> Gas Hose for Portable Gas Appliances, Listing Requirements on .....	1.00
R1957	
<b>Z21.3-1956</b> Hotel and Restaurant Gas Ranges and Unit Broilers, Approval Requirements for, with Addenda Z21.3a-1957 .....	2.40
(Z21.3a-1957 sold separately.....)	.40¢
<b>Z21.5-1956</b> Domestic Gas Clothes Dryers, Approval Requirements for, with Addenda Z21.5a-1957 .....	2.15
(Z21.5a-1957 sold separately.....)	.15¢
<b>Z21.6-1955</b> Domestic Gas-Fired Incinerators, Approval Requirements for .....	1.50
<b>Z21.8-1948</b> Installation of Domestic Gas Conversion Burners, Requirements for .....	1.00
R1952	
<b>Z21.9-1948</b> Hot Plates and Laundry Stoves, Approval Requirements for, with Addenda Z21.9a-1949 .....	1.40
R1957	
(Z21.9a-1949 sold separately.....)	.40¢

● **Gas Water Heaters, Approval Requirements for:**

<b>Z21.10.1-1956</b> Gas Water Heaters (except Side-Arm Type Water Heaters) Volume I, with Addenda Z21.10-1957 .....	2.50
(Z21.10.1a-1957 sold separately.....)	.50¢
<b>Z21.10.2-1956</b> Side-Arm Type Water Heaters, Volume II, with Addenda Z21.10.2a-1957 .....	2.15
(Z21.10.2a-1957 sold separately.....)	.15¢
<b>Z21.11-1956</b> Gas-Fired Room Heaters, Approval Requirements for, with Addenda Z21.11a-1957 .....	2.40
(Z21.11a-1957 sold separately.....)	.40¢
<b>Z21.12-1937</b> Draft Hoods, Listing Requirements for, .....	.50
R1953	

● **Central Heating Gas Appliances, Approval Requirements for:**

<b>Z21.13.1-1956</b> Steam and Hot Water Boilers, Volume I, with Addenda Z21.13.1a-1957 .....	2.40
(Z21.13.1a-1957 sold separately.....)	.40¢
<b>Z21.13.2-1956</b> Gravity and Forced Air Central Furnaces, Volume II, with Addenda Z21.13.2a-1957 .....	2.50
(Z21.13.2a-1957 sold separately.....)	.50¢
<b>Z21.13.3-1956</b> Gravity and Fan Type Floor Furnaces, Volume III, with Addenda Z21.13.3a-1957 .....	2.40
(Z21.13.3a-1957 sold separately.....)	.40¢

● **Z21 — Gas Burning Appliances (Continued)**

<b>Z21.13.4-1955</b> Gravity and Fan Type Vented Recessed Heaters, Volume IV, with Addenda Z21.13.4a-1956 and Z21.13.4b-1957 .....	2.65
(Z21.13.4a-1956 sold separately.....)	.25¢
(Z21.13.4b-1957 sold separately.....)	.40¢
●	
<b>Z21.15-1954</b> Gas Valves, Listing Requirements for, ....	2.00
<b>Z21.16-1957</b> Gas Unit Heaters, Approval Requirements for .....	2.00
<b>Z21.17-1948</b> Domestic Gas Conversion Burners, Listing Requirements for .....	2.00
R1952	
<b>Z21.18-1956</b> Domestic Gas Appliance Pressure Regulators, Listing Requirements for .....	1.50
<b>Z21.19-1942</b> Refrigerators Using Gas Fuel, Approval Requirements for .....	1.00
R1953	
<b>Z21.20-1951</b> Automatic Pilots, Listing Requirements for .....	1.00
R1956	
<b>Z21.21-1952</b> Automatic Valves for Gas Appliances, Listing Requirements for .....	1.00
R1957	
<b>Z21.22-1935</b> Relief and Automatic Gas Shut-off Valves for Use on Water Heating Systems, Listing Requirements for .....	.40
R1953	
<b>Z21.23-1940</b> Gas Appliance Thermostats, Listing Requirements for .....	.50
R1953	
<b>Z21.24-1955</b> Metal Connectors for Gas Appliances, Listing Requirements for, with Addenda Z21.24a-1956 .....	1.10
(Z21.24a-1956 sold separately.....)	.10¢
<b>Z21.27-1955</b> Hotel and Restaurant Deep Fat Fryers, Approval Requirements for, with Addenda Z21.27a-1956 and Z21.27b-1957 ..	2.05
(Z21.27a-1956 sold separately.....)	.40¢
(Z21.27b-1957 sold separately.....)	.15¢
<b>Z21.28-1956</b> Portable Gas Baking and Roasting Ovens, Approval Requirements for, with Addenda Z21.28a-1957 .....	2.40
(Z21.28a-1957 sold separately.....)	.40¢
<b>Z21.29-1941</b> Furnace Temperature Limit Controls and Fan Controls, Listing Requirements for, ..	.50
R1953	
<b>Z21.30-1954</b> Installation of Gas Piping and Gas Appliances in Buildings (not applicable to Undiluted Liquefied Petroleum Gas) ..	.25
<b>Z21.31-1956</b> Gas Counter Appliances, Approval Requirements for, with Addenda Z21.31a-1957 .....	2.40
(Z21.31a-1957 sold separately.....)	.40¢
<b>Z21.33-1950</b> Installation of Gas-Burning Equipment in Power Boilers, Requirements for .....	1.00
R1956	
<b>Z21.34-1955</b> Gas-Fired Duct Burners, Approval Requirements for, with Addenda Z21.34a-1956 and Z21.34b-1957 .....	2.15
(Z21.34a-1956 sold separately.....)	.25¢
(Z21.34b-1957 sold separately.....)	.40¢
<b>Z21.35-1945</b> Gum Protective Devices, Listing Requirements for .....	.50
R1953	
<b>Z21.37-1948</b> Dual Oven Type Combination Gas Ranges, Approval Requirements for .....	1.00
R1957	
<b>Z21.38-1957</b> Installation of Gas Conversion Burners in Domestic Ranges, Requirements for ...	.25
<b>Z21.39-1957</b> Gas Conversion Burners for Domestic Ranges, Listing Requirements for .....	2.00

● **Z22 — Motion Pictures:**

This number is being discontinued. Standards assigned Z22 numbers are listed under the new number, PH22.

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	Price
<b>Z23.1-1939</b> Sieves for Testing Purposes, Specifications R1950 for (ASTM E11-39; AASHO M92-42)....	.30

● **Z24 — Acoustics, Vibration, and Mechanical Shock:**

(20% discount will be allowed on the purchase of complete Z24 series)

<b>Z24.1-1951</b> †Acoustical Terminology .....	1.50
<b>Z24.1a</b> †Shock and Vibration Terminology, Supplement to Z24.1-1951 (Proposed; distributed for trial and criticism) .....	.75
<b>Z24.3-1944</b> †Sound Level Meters for Measurement of Noise and Other Sounds .....	.50
<b>Z24.4-1949</b> †Pressure Calibration of Laboratory Standard Pressure Microphones, Method for the .....	.75
<b>Z24.5-1951</b> †Audiometers for General Diagnostic Purposes .....	.50
<b>Z24.7-1950</b> †Apparatus Noise Measurement, Test Code for .....	.50
<b>Z24.8-1949</b> †Laboratory Standard Pressure Microphones, Specification for .....	.50
<b>Z24.9-1949</b> †Coupler Calibration of Earphones, Method for the .....	.75
<b>Z24.10-1953</b> †Octave-Band Filter Set for the Analysis of Noise and Other Sounds, Specification for an .....	.50
<b>Z24.11-1954</b> †Free-Field Secondary Calibration of Microphones, Method for the .....	.50
<b>Z24.12-1952</b> †Pure-Tone Audiometers for Screening Purposes, Specification for .....	.50
<b>Z24.13-1953</b> †Speech Audiometers, Specifications for ....	.50
<b>Z24.14-1953</b> †Measurement of Characteristics of Hearing Aids, Methods for .....	.50
<b>Z24.15-1955</b> †Specifying the Characteristics of Analyzers Used for the Analysis of Sounds and Vibrations, Method for .....	.50
<b>Z24.17-1955</b> †Design, Construction, and Operation of Class III (High-Impact) Shock-Testing Machine for Lightweight Equipment, Specification for the .....	1.00

Complete manufacturing and installation drawings for the Class III (High-Impact) Shock-Testing Machine for Lightweight Equipment as specified in American Standard Z24.17-1955, consisting of 19 sheets.

Price Per Set.....\$25.00

<b>Z24.18-1956</b> †Ultrasonic Therapeutic Equipment, Specification for .....	.75
<b>Z24.21-1957</b> †Specifying the Characteristics of Pickups for Shock and Vibration Measurement, Method for .....	1.00

**Z24-X2 The Relations of Hearing Loss to Noise Exposure** .....\$1.50

64 pp. 6 x 9 in., 18 figures, 8 tables, heavy paper cover. This report by Exploratory Subcommittee Z24-X-2 of Sectional Committee Z24 on Acoustics, Vibration, and Mechanical Shock analyzes the noise problem. Representing one of the most comprehensive surveys ever made, it tells what factors enter into industrial loss of hearing; how much certain types of noise affect hearing; what allowance to make for recovery of hearing after noise exposure; what loss of hearing to expect of different age groups.

	Price
<b>Z25.1-1940</b> †Rules for Rounding Off Numerical Values R1947 .....	.35
<b>Z26.1-1950</b> †Safety Glazing Materials for Glazing Motor Vehicles Operating on Land Highways, Safety Code for .....	1.00
<b>Z30.2-1953</b> Thermal Analysis of Steel (ASTM E14-51T) .....	.30
<b>Z31-1933</b> Marking of Gold Filled and Rolled Gold Plate Articles Other Than Watchcases (CS47-34) .....	Out of print
<b>Z32 Series</b> See Y32 on page 46.	
<b>Z33.1-1950</b> Regulations for the Installation of Blower and Exhaust Systems for Dust, Stock and Vapor Removal (NFPA 91; NBFU 91) ..	.25
<b>Z34.1-1947</b> †Practice for Certification Procedures ....	.35
<b>Z35.1-1941</b> †Industrial Accident Prevention Signs, Specifications for .....	.75

● **Z37 — Allowable Concentrations of Toxic Dusts and Gases:**

(20% discount will be allowed on the purchase of complete Z37 series)

<b>Z37.1-1941</b> †Carbon Monoxide, Allowable Concentration of .....	.35
<b>Z37.2-1941</b> †Hydrogen Sulfide, Allowable Concentration of .....	.35
<b>Z37.3-1941</b> †Carbon Disulfide, Allowable Concentration of .....	.35
<b>Z37.4-1941</b> †Benzene, Allowable Concentration of .....	Out of print
<b>Z37.6-1948</b> †Manganese, Allowable Concentration of ..	.35
<b>Z37.7-1943</b> †Chromic Acid and Chromates, Allowable Concentration of .....	.35
<b>Z37.8-1943</b> †Mercury, Allowable Concentration of ....	.35
<b>Z37.10-1948</b> †Xylene, Allowable Concentration of ....	.35
<b>Z37.11-1943</b> †Lead and Certain of Its Inorganic Compounds, Allowable Concentration of ....	.35
<b>Z37.12-1943</b> †Toluene, Allowable Concentration of .....	Out of print
<b>Z37.13-1944</b> †Oxides of Nitrogen, Allowable Concentration of .....	.35
<b>Z37.14-1944</b> †Methanol, Allowable Concentration of ...	.35
<b>Z37.16-1944</b> †Formaldehyde, Allowable Concentration of .....	Out of print
<b>Z37.17-1957</b> †Maximum Acceptable Concentration of Carbon Tetrachloride .....	.50
<b>Z37.18-1949</b> †Methyl Chloride, Allowable Concentration of .....	Out of print
<b>Z37.19-1946</b> †Trichloroethylene, Allowable Concentration of .....	.35

● **Z38 — Photography (other than Cinematography):**

This number is being discontinued. Standards assigned Z38 numbers are listed under the appropriate new numbers:— PH1, Films, Plates, and Paper; PH2, Photographic Sensitometry; PH3, Photographic Apparatus; PH4, Photographic Processing; PH5, Reproduction of Documents.

<b>Z39.1-1943</b> †Reference Data and Arrangement of Periodicals .....	.25
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	Price		Price
● Z41 — Specifications for Protective Occupational Footwear (American War Standards):			
Z41.1-1944	.75	†Men's Safety-Toe Shoes	
Z41.3-1944		†Men's Conductive Shoes	
Z41.4-1944		†Men's Explosives - Operations (Non-sparking) Shoes	
Z41.5-1944		†Men's Electrical-Hazards Shoes	
Z41.6-1944	Out of print	†Men's Foundry (Molders) Shoes	
Z41.2-1944		†Women's Safety-Toe (Oxford) Shoes	
Z41.7-1944		†Women's Safety-Toe (High) Shoes	
Z41.8-1944		†Women's Explosives - Operations (Non-sparking) Shoes	
Z41.9-1944		†Women's Conductive Shoes	
●			
Z43-1941	.75	†Grinding, Polishing and Buffing Equipment Sanitation	
Z48.1-1954	.15	Marking Portable Compressed Gas Containers to Identify the Material Contained, Method for	
Z49.1-1950	.50	Electric and Gas Welding and Cutting Operations, Safety in	
Z50.1-1947	1.00	†Bakery Equipment, Safety Code for	
Z53.1-1953	.50	†Marking Physical Hazards and the Identification of Certain Equipment, Safety Color Code for	
Z54.1-1946	1.50	†Industrial Use of X-rays, Safety Code for the (American War Standard)	
Z55.1-1950	.35	†Gray Finishes for Industrial Apparatus and Equipment	
		Color Chips representing Gray Finishes according to Z55.1-1950	
	1.00	No. 24—Dark Gray	
	1.00	No. 33—Medium Dark Gray	
	1.00	No. 49—Medium Light Gray	
	1.00	No. 61—Light Gray	
<b>Z56 Nationally Recognized Standards in State Laws and Local Ordinances .....\$1.00</b> 44-page report of ASA Committee Z56 on Model Laws and Ordinances published by ASA to collect ideas and discussion on the question, "How can nationally recognized standards legally be used in state laws and local ordinances?" Points out how lack of uniformity in state and local technical requirements increases costs and reduces public safety; analyzes the need for legal methods to permit widespread use of nationally recognized standards to bring outmoded requirements up to date with new technical developments; summarizes the present status of the "adoption by reference" method; and discusses the method of making compliance with national standards <i>prima facie</i> evidence of compliance with the law.			
Z57.1-1954	.75	Flutter Content of Sound Recorders and Reproducers, Method for Determining	
Z58.1.1-1953	.25	Nomenclature for Radiometry and Photometry	
Z58.1.2-1952		†Colorimetry, Nomenclature and Definitions in the Field of	.50
Z58.7.1-1951	.75	†Spectrophotometric Measurement for Color, Method of	
Z58.7.2-1951		†Determination of Color Specifications, Method for	
Z58.7.3-1951		†Expressing Color Specifications, Alternative Methods for	
Z60.1-1952		Nursery Stock — Horticultural Standards with Addendum Z60.1a-1955 (AAN)	.50
Z60.1a-1955		Nursery Stock (Horticultural Stock) Addendum to Z60.1-1952 (AAN)	Gratis
Z61.1-1949		†Home Cooking and Baking Utensils, Dimensions, Tolerances, and Terminology for	.35
Z65.1-1956		†Determining Areas in Office Buildings, Method of	.35
Z66.1-1955		†Minimize Hazards to Children from Residual Surface Coating Materials, Specifications to	.35
Z67.1-1953		Gross Calorific Value and Net Calorific Value of Solid and Liquid Fuels, Definitions of the Terms (ASTM D407-44)	.30
Z68.1-1956		Caloric Value of Gaseous Fuels by the Water-Flow Calorimeter, Method of Test for (ASTM D900-55)	.60
Z69.1-1953		Specific Gravity of Gaseous Fuels, Methods of Test for (ASTM D1070-52)	.50
Z70.1-1955		†Glass and Metal Luer Tapers for Medical Applications, Dimensions of	.50
Z71.1-1956		ASTM Thermometers, Specifications for (ASTM E1-56)	.75
Z75.1-1955		†Scales for Use with Decimal-Inch Dimensioning	.35
Z76.1-1955		Hardness Conversion Table for Cartridge Brass (Relationship between Diamond Pyramid Hardness, Rockwell Hardness, and Brinell Hardness) (ASTM E33-42)	.30
Z76.2-1955		Hardness Conversion Tables for Steel (Relationship between Diamond Pyramid Hardness, Rockwell Hardness, and Brinell Hardness) (ASTM E48-47)	.30
Z76.3-1955		Hardness Conversion Table for Nickel and High-Nickel Alloys (Relationship between Diamond Pyramid Hardness, Brinell Hardness, and Rockwell Hardness) (ASTM E93-52)	.30
Z77.1-1955		Analysis of Natural Gases by the Volumetric-Chemical Method, Method for (ASTM D1136-53)	.30
Z77.2-1955		Analysis of Natural Gases and Related Types of Gaseous Mixtures by the Mass Spectrometer, Method for (ASTM D1137-53)	.30
Z77.3-1955		Water Vapor Content of Gaseous Fuels by Measurement of Dew-Point Temperature, Method of Test for (ASTM D1142-53)	.30
Z77.4-1955		Sampling Natural Gas, Method of (ASTM D1145-53)	.30
Z78.1-1957		Selected Values of Physical and Thermodynamic Properties of Hydrocarbons and Related Compounds	7.00

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**CS — Commercial Standards**

The following Commercial Standards, promulgated by the U. S. Dept. of Commerce, have been approved by ASA:

		Price
<b>CS8-51</b>	Gage Blanks (American Standard B47.1-1956) .....	.45
<b>CS19-32</b>	Foundry Patterns of Wood (American Standard B45.1-1932) .....	<i>Out of print</i>
<b>CS47-34</b>	Marking of Gold Filled and Rolled Gold Plate Articles Other Than Watchcases (American Standard Z31-1933) .....	<i>Out of print</i>
<b>CS49-34</b>	*Chip Board, Laminated Chip Board, and Miscellaneous Boards for Bookbinding Purposes .....	<i>Out of print</i>

		Price
<b>CS50-34</b>	*Binders Board .....	.05
<b>CS51-35</b>	*Marking Articles Made of Silver in Combination with Gold .....	.05
<b>CS53-35</b>	*Colors and Finishes for Cast Stone .....	.05
<b>CS54-35</b>	*Mattresses for Hospitals .....	<i>Out of print</i>
<b>CS55-35</b>	*Mattresses for Institutions .....	<i>Out of print</i>
<b>CS57-40</b>	*Book Cloths, Buckrams, and Impregnated Fabrics for Bookbinding Purposes except Library Bindings .....	<i>Out of print</i>
<b>CS67-38</b>	*Marking Articles Made of Karat Gold .....	<i>Out of print</i>

\* For copies, write to: Commercial Standards Division, Department of Commerce, Washington, D. C.

## American Safety Standards

(Special Price of Complete Set, \$70.00)

(These standards are also included in the preceding general list)

		Price			Price
<b>A2.1-1956</b>	Fire Tests of Building Construction and Materials, Methods of (ASTM E119-55) ..	.30	<b>B7.1-1956</b>	Use, Care, and Protection of Abrasive Wheels, Safety Code for the .....	1.00
<b>A2.2-1956</b>	Fire Tests of Door Assemblies, Methods of (ASTM E152-55T) .....	.30	<b>B8-1932</b>	†Protection of Industrial Workers in Foundries, Safety Code for .....	.35
<b>A9.1-1953</b>	Building Exits Code (NFPA 101; AIA 40-B-7) .....	<i>Out of print</i>	<b>B9.1-1953</b>	Mechanical Refrigeration, Safety Code for (ASRE Circular I5-R) .....	1.00
<b>A10.1-1951</b>	Manual of Accident Prevention in Construction .....	3.00	<b>B11.1-1948</b>	†Power Presses and Foot and Hand Presses, Safety Code for .....	1.25
<b>A10.2-1944</b>	†Building Construction, Safety Code for ...	1.75	<b>B13-1924</b>	Logging and Sawmill Safety Code (NBS Handbook H5) .....	<i>Out of print</i>
<b>A11.1-1952</b>	Industrial Lighting .....	.50	<b>B15.1-1953</b>	Mechanical Power-Transmission Apparatus, Safety Code for .....	2.00
<b>A12-1932</b>	†Floor and Wall Openings, Railings, and Toe Boards, Safety Code for .....	.50	<b>B19-1938</b>	Compressed Air Machinery and Equipment, Safety Code for .....	<i>Out of print</i>
<b>A13.1-1956</b>	Identification of Piping Systems, Scheme for the .....	1.00	<b>B20.1-1947</b>	Conveyors, Cableways, and Related Equipment, Safety Code for .....	<i>Out of print</i>
<b>A14.1-1952</b>	†Portable Wood Ladders, Safety Code for ..	.75	<b>B24.1-1952</b>	†Forging and Hot Metal Stamping, Safety Code for .....	1.00
<b>A14.2-1956</b>	†Portable Metal Ladders, Safety Code for ..	.50	<b>B28.1-1949</b>	†Mills and Calenders in the Rubber Industry, Safety Code for .....	1.00
<b>A14.3-1956</b>	†Fixed Ladders, Safety Code for .....	1.00	<b>B30.1-1943</b>	Jacks, Safety Code for .....	1.00
<b>A17.1-1957</b>	Elevators, Dumbwaiters, and Escalators, Safety Code for (A17.1-1955 and revisions A17.1a-1957) .....	4.25 (A17.1a-1957 sold separately .....	<b>B30.2-1943</b>	Cranes, Derricks, and Hoists, Safety Code for .....	2.50
<b>A17.1.5-1953</b>	Private Residence Elevators, Safety Code for (Part 5 of A17.1-1955) .....	1.00	<b>B31.1-1955</b>	Code for Pressure Piping (Sections 1 through 7) .....	3.50
<b>A17.2-1945</b>	Elevators, Inspection of (Inspectors' Manual) ..	2.50	<b>B31.1.8-1955</b>	Gas Transmission and Distribution Piping Systems (Section 8 of Code for Pressure Piping B31.1-1955) .....	2.50
<b>A23.1-1948</b>	School Lighting (AIA 31-F-28) .....	.50	<b>B56.1-1955</b>	Industrial Power Trucks, Safety Code for ..	1.50
<b>A39-1933</b>	†Window Cleaning .....	.35	<b>B65.1-1954</b>	†Controls and Signaling Devices for Graphic Arts Presses, Safety Code for .....	.50
<b>A85.1-1956</b>	†Protective Lighting, Practice for .....	.50			
<b>A90.1-1949</b>	Manlifts, Safety Code for .....	1.00			
<b>R1956</b>					

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<b>C1-1956</b>	National Electrical Code (NBFU 70; pocket edition) ..... (Paper bound NFPA 70; 4 3/4 x 7 1/4 in. ....\$1.00)	.25
● <b>C2 — National Electrical Safety Code (NBS Handbook H30):</b>		
<b>C2.1-1941</b> R1947	Installation and Maintenance of Electrical Supply Stations, Safety Rules for the (NBS Handbook H31)	
<b>C2.2-1941</b> R1947	Installation and Maintenance of Electric Supply and Communication Lines, Safety Rules for the (NBS Handbook H32)	
<b>C2.3-1941</b> R1947	Installation and Maintenance of Electric Utilization Equipment, Safety Rules for the (NBS Handbook H33)	2.25
<b>C2.4-1939</b> R1947	Operation of Electric Equipment and Lines, Safety Rules for the (NBS Handbook H34)	
<b>C2.5-1940</b> R1947	Radio Installations, Safety Rules for (NBS Handbook H35)	

● **C5 — Protection against Lightning, Code for (NBS Handbook H46; NFPA 78):**

<b>C5.1-1953</b>	Part I, Protection of Persons .....	.45
<b>C5.2-1953</b>	Part II, Protection of Buildings and Miscellaneous Property .....	
<b>C5.3-1953</b>	Part III, Protection of Structures Containing Flammable Liquids and Gases .....	
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<b>C33.3-1957</b>	Cord Sets and Power-Supply Cords, Safety Standard for (UL 817) .....	.50
<b>C33.4-1956</b>	Specialty Transformers, Safety Standard for (UL 506) .....	1.00
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<b>C33.8-1957</b>	Grounding and Bonding Equipment, Safety Standard for (UL 467) .....	.50
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<b>D13.1-1950</b>	Traffic-Actuated, Traffic Signal Controllers and Detectors, Specifications for .....	.50

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<b>J6.2-1950</b>	Rubber Insulator Hoods (ASTM D1049-49T) .....	
<b>J6.4-1950</b>	Rubber Insulating Blankets (ASTM D1048-49T) .....	
<b>J6.5-1950</b>	Rubber Insulating Sleeves (ASTM D1051-49T) .....	
<b>J6.6-1952</b>	Rubber Insulating Gloves, Specifications for (ASTM D120-52T) .....	
<b>J6.3-1945</b>	†Leather Protective Gloves (American War Standard) .....	.35
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<b>K13.1-1950</b>	†Identification of Gas-Mask Canisters, Safety Code for .....	.35
<b>L1.1-1956</b>	†Textile Safety Code .....	.75

● **L18 — Specifications for Protective Occupational (Safety) Clothing (American War Standards):**

<b>L18.1-1944</b>	†Leather Aprons .....	<i>Out of print</i>
<b>L18.2-1944</b>	†Cape Sleeves and Bibs .....	
<b>L18.3-1944</b>	†Knee-Length Leggings .....	
<b>L18.4-1944</b>	†Leather Coats .....	
<b>L18.5-1944</b>	†Leather Overalls .....	
<b>L18.6-1944</b>	†Leather Sleeves .....	
<b>L18.7-1944</b>	†Welders' Leather Gauntlet Gloves .....	
<b>L18.8-1944</b>	†Protective Leather Gloves, Steel-Stapled ..	
<b>L18.9-1944</b>	†Asbestos Gloves .....	
<b>L18.10-1944</b>	†Asbestos Gloves, Leather Reinforced ....	
<b>L18.11-1944</b>	†Asbestos Mittens .....	
<b>L18.12-1944</b>	†Asbestos Mittens, Leather Reinforced ....	
<b>L18.14-1944</b>	†Asbestos Aprons (Bib Type) .....	
<b>L18.15-1944</b>	†Asbestos Cape Sleeves and Bibs .....	
<b>L18.16-1944</b>	†Asbestos Leggings (Knee and Hip Length)	
<b>L18.17-1944</b>	†Asbestos Coats .....	
<b>L18.18-1945</b>	†Leather One-Finger Mittens .....	
<b>L18.19-1945</b>	†Leather Mittens .....	
<b>L18.20-1945</b>	†Asbestos One-Finger Mittens .....	
<b>L18.21-1945</b>	†Flame-Resistant Fabric Aprons (Bib Type)	
<b>L18.22-1945</b>	†Flame-Resistant Fabric Leggings (Knee and Hip Length) .....	
<b>L18.23-1945</b>	†Flame-Resistant Fabric Coats .....	
<b>L18.24-1945</b>	†Flame-Resistant Fabric Pants .....	
<b>L18.25-1945</b>	†Flame-Resistant Fabric Coveralls .....	
<b>L18.26-1945</b>	†Flame-Resistant Fabric Spats .....	
<b>L18.27-1945</b>	†Leather Spats .....	
<b>L18.28-1945</b>	†Asbestos Spats .....	
<b>L18.29-1945</b>	†Chemical-Resistant Gloves .....	.35

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<b>M2.1-1951</b> Installing and Using Electrical Equipment in Coal Mines, Safety Rules for (BMTP 402) . . . . .	.25
<b>M11-1927</b> Wire Rope for Mines . . . . .	<i>Out of print</i>
<b>M12.1-1946</b> †Construction and Maintenance of Ladders and Stairs for Mines . . . . .	.35
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<b>Z12.11-1953</b> Aluminum Bronze Powder, Safety Code for the Prevention of Dust Explosions in the Manufacture of (NFPA 651) . . . . .	.25
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<b>Z12.14-1943</b> Grain Elevators and Storage Units, Suggested Good Practices for the Application of Suction and Venting for the Control of Dust in (NFPA 661) . . . . .	.25
<b>Z12.15-1953</b> Magnesium Powder or Dust, Code for Explosion and Fire Protection in Plants Producing or Handling (NFPA 652) . . . . .	.25
<b>Z12.16-1946</b> Plastics Industry, Safety Code for the Prevention of Dust Explosions in the (NFPA 654) . . . . .	.35
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Z37.10-1948	†Xylene, Allowable Concentration of ....	.35
Z37.11-1943	†Lead and Certain of Its Inorganic Compounds, Allowable Concentration of ....	.35
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Z41.6-1944	†Men's Foundry (Molders) Shoes .....	

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## ● Z41 — Protective Footwear (Continued)

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<b>Z41.7-1944</b>	†Women's Safety-Toe (High) Shoes . . . . .	
<b>Z41.8-1944</b>	†Women's Explosives-Operations (Non-sparking) Shoes . . . . .	
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PM87.1 American Safety Standards ..... *Out of print*

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L12.4-1946	†Miscellaneous .....	
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<b>Z61.1-1949</b> †Home Cooking and Baking Utensils, Dimensions, Tolerances, and Terminology for .....	.35

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<b>R2</b>	Designation of the Direction of Twist in Textile Yarns .....	.50	<b>R28</b>	Emulsion Position in Camera—For 8mm Silent Motion Picture Film .....	.50
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<b>R4</b>	International Code for the Abbreviation of Titles of Periodicals .....	.50	<b>R30</b>	Bibliographical Strip .....	.50
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That national standardization is a function that costs money and must be paid for, the same as any other business activity;

That the American Standards Association is the channel through which standards of national importance can best be developed by the agencies of free enterprise;

That each industry through its companies should support the American Standards Association, thus insuring its continuous and efficient operation.